



Query Match 100.0%; Score 49; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFPE 9  
Db 1 MLLGRPFPE 9

RESULT 2  
US-08-861-338-19  
; Sequence 19, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 11  
; OTHER INFORMATION: /note= "Serine-NH2"  
US-08-861-338-19

Query Match 100.0%; Score 49; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.0049;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFPE 9  
Db 1 MLLGRPFPE 9

RESULT 3  
US-08-252-995D-12

; Sequence 12, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 272 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Mus musculus  
US-08-252-995D-12

Query Match 100.0%; Score 49; DB 1; Length 272;  
Best Local Similarity 100.0%; Pred. No. 0.13;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFPE 9  
Db 199 MLLGRPFPE 207

RESULT 4  
US-08-834-108-12  
; Sequence 12, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/834,108  
/ FILING DATE:  
/ CLASSIFICATION: 536  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Kurdzyk, Linda M  
/ REGISTRATION NUMBER: 34,971  
/ REFERENCE/DOCKET NUMBER: 3153-210  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (416) 364-7311  
/ TELEFAX: (416) 361-1398  
/ INFORMATION FOR SEQ ID NO: 12:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 272 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ ORIGINAL SOURCE:  
/ ORGANISM: Mus musculus  
/ US-08-834-108-12

Query Match 100.0%; Score 49; DB 2; Length 272;  
Best Local Similarity 100.0%; Pred. No. 0.13;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9  
||| |||||  
Db 199 MLLGRPPFE 207

RESULT 5  
US-08-878-989-1  
/ Sequence 1, Application US/08878989  
/ Patent No. 5885803  
/ GENERAL INFORMATION:  
/ APPLICANT: Bandman, Olga  
/ APPLICANT: Hillman, Jennifer L.  
/ APPLICANT: Corley, Neil C.  
/ APPLICANT: Guegler, Karl G.  
/ APPLICANT: Lal, Freeti  
/ APPLICANT: Goli, Surya K.  
/ APPLICANT: Shah, Purvi  
/ TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
/ NUMBER OF SEQUENCES: 21  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Incyte Pharmaceuticals, Inc.  
/ STREET: 3174 Porter Drive  
/ CITY: Palo Alto  
/ STATE: CA  
/ COUNTRY: USA  
/ ZIP: 94304  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Diskette  
/ COMPUTER: IBM Compatible  
/ OPERATING SYSTEM: DOS  
/ SOFTWARE: FastSeq for Windows Version 2.0  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/878,989  
/ FILING DATE:  
/ CLASSIFICATION: 435  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER:  
/ FILING DATE:  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Billings, Lucy J J  
/ REGISTRATION NUMBER: 36,749  
/ REFERENCE/DOCKET NUMBER: PF-0321 US  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 415-855-0555  
/ TELEFAX: 415-845-4166  
/ TELEX:

/ INFORMATION FOR SEQ ID NO: 1:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 685 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ IMMEDIATE SOURCE:  
/ LIBRARY: HUVENOB01  
/ CLONE: 39043  
/ US-08-878-989-1

Query Match 100.0%; Score 49; DB 2; Length 685;  
Best Local Similarity 100.0%; Pred. No. 0.34;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9  
||| |||||  
Db 273 MLLGRPPFE 281

RESULT 6  
US-09-136-282-2  
/ Sequence 2, Application US/09136282  
/ Patent No. 6063609  
/ GENERAL INFORMATION:  
/ APPLICANT: ANDERSON, KAREN  
/ APPLICANT: JACKSON, JEFFREY  
/ APPLICANT: HANSBURY, MICHAEL  
/ APPLICANT: NERURKAR, SANDHYA  
/ APPLICANT: ROSHAK, AMY  
/ APPLICANT: BOUZYK, MARK  
/ TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
/ NUMBER OF SEQUENCES: 3  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Rathner & Prestia  
/ STREET: P.O. Box 980  
/ CITY: Valley Forge  
/ STATE: PA  
/ COUNTRY: USA  
/ ZIP: 19482  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Diskette  
/ COMPUTER: IBM Compatible  
/ OPERATING SYSTEM: DOS  
/ SOFTWARE: FastSeq for Windows Version 2.0  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/136,282  
/ FILING DATE: 20-AUG-1998  
/ CLASSIFICATION:  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 60/056,112  
/ FILING DATE: 20-AUG-1997  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Prestia, Paul F  
/ REGISTRATION NUMBER: 23,031  
/ REFERENCE/DOCKET NUMBER: GH-70231  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 610-407-0700  
/ TELEFAX: 610-407-0700  
/ TELEX: 846169  
/ INFORMATION FOR SEQ ID NO: 2:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 685 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: protein  
/ US-09-136-282-2

Query Match 100.0%; Score 49; DB 3; Length 685;  
Best Local Similarity 100.0%; Pred. No. 0.34;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPE 9  
Db 273 MLLGRPPE 281

RESULT 7  
US-09-272-796-1  
; Sequence 1, Application US/09272796  
; Patent No. 6207148  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Guegler, Karl G.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
; TITLE OF INVENTION: KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/272,796  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; PRIOR APPLICATION NUMBER: 08/878,989  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J J  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0321 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 685 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: HUVENOB01  
; CLONE: 39043  
US-09-272-796-1

Query Match 100.0%; Score 49; DB 3; Length 685;  
Best Local Similarity 100.0%; Pred. No. 0.34;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPE 9  
Db 273 MLLGRPPE 281

RESULT 8  
US-09-505-744-2  
; Sequence 2, Application US/09505744  
; Patent No. 6245544  
; GENERAL INFORMATION:  
; APPLICANT: Karen M. Anderson

; APPLICANT: Mark M. Bouzyk  
; APPLICANT: Michael J. Hansbury  
; APPLICANT: Jeffrey R. Jackson  
; APPLICANT: Sandhya S. Neturkar  
; APPLICANT: Amy K. Roshak  
; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
; FILE REFERENCE: GH-70231-D1  
; CURRENT APPLICATION NUMBER: US/09/505,744  
; CURRENT FILING DATE: 2000-02-16  
; EARLIER APPLICATION NUMBER: 09/136,282  
; EARLIER FILING DATE: 1998-08-20  
; EARLIER APPLICATION NUMBER: 60/056,112  
; EARLIER FILING DATE: 1997-08-20  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: HOMO SAPIENS  
US-09-505-744-2

Query Match 100.0%; Score 49; DB 3; Length 685;  
Best Local Similarity 100.0%; Pred. No. 0.34;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPE 9  
Db 273 MLLGRPPE 281

RESULT 9  
US-08-861-338-17  
; Sequence 17, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 17:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"



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;
;
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of
; OTHER INFORMATION: Glutamine Acid-NH2"
US-08-861-338-17

Query Match 93.9%; Score 46; DB 3; Length 9;
Best Local Similarity 88.9%; Pred. No. 3e+05; 0; Indels 0; Gaps 0;
Matches 8; Conservative 1; Mismatches 0;

QY 1 MLLGRPPFE 9
Db 1 MLLGKPPFE 9

RESULT 10
US-08-861-338-16
; Sequence 16, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "N-Acetyl Methionine"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 8
; OTHER INFORMATION: /note= "Phenylalanine-NH2"
US-08-861-338-16

Query Match 83.7%; Score 41; DB 3; Length 8;
Best Local Similarity 87.5%; Pred. No. 3e+05;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPF 8
Db 1 MLLGKPPF 8
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```
RESULT 11
US-08-252-995D-10
; Sequence 10, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 273 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-08-252-995D-10

Query Match 83.7%; Score 41; DB 1; Length 273;
Best Local Similarity 66.7%; Pred. No. 3.9;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
Db 200 LLIGRPFD 208

RESULT 12
US-08-834-108-10
; Sequence 10, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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Wed Jun 9 12:53:03 2004

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 273 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
;
US-08-834-108-10
;
Query Match 83.7%; Score 41; DB 2; Length 273;
Best Local Similarity 66.7%; Pred. No. 3.9;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 200 LLIGRPPFD 208

RESULT 13
US-08-252-995D-2
; Sequence 2, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 416 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-834-108-2
;
Query Match 83.7%; Score 41; DB 1; Length 416;
Best Local Similarity 66.7%; Pred. No. 6.1;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 204 LLIGRPPFD 212

RESULT 14
US-08-834-108-2
; Sequence 2, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 416 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-834-108-2
;
Query Match 83.7%; Score 41; DB 2; Length 416;
Best Local Similarity 66.7%; Pred. No. 6.1;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 204 LLIGRPPFD 212

RESULT 15
US-08-252-995D-6
; Sequence 6, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
;

```

STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 6:  
LENGTH: 464 amino acids  
TYPE: amino acid  
MOLECULE TYPE: protein  
US-08-252-995D-6

Query Match 83.7%; Score 41; DB 1; Length 464;  
Best Local Similarity 66.7%; Pred. No. 6.8;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9  
Db 204 LLIGRPPFD 212

RESULT 16  
US-08-834-108-6  
Sequence 6, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:

LENGTH: 464 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-834-108-6

Query Match 83.7%; Score 41; DB 2; Length 464;  
Best Local Similarity 66.7%; Pred. No. 6.8;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9  
Db 204 LLIGRPPFD 212

RESULT 17  
US-08-252-995D-4  
Sequence 4, Application US/08252995D  
Patent No. 5650501  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 925 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-252-995D-4

Query Match 83.7%; Score 41; DB 1; Length 925;  
Best Local Similarity 66.7%; Pred. No. 14;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9  
Db 204 LLIGRPPFD 212

RESULT 18  
US-08-834-108-4  
Sequence 4, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol

;; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESSES:  
;; ADDRESSEE: BERESKIN & PARR  
;; STREET: 40 King Street West  
;; CITY: Toronto  
;; STATE: Ontario  
;; COUNTRY: Canada  
;; ZIP: M5H 3Y2  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/834,108  
;; FILING DATE:  
;; CLASSIFICATION: 536  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kurdydk, Linda M  
;; REGISTRATION NUMBER: 34,971  
;; REFERENCE/DOCKET NUMBER: 3153-210  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (416) 364-7311  
;; TELEFAX: (416) 361-1398  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 925 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-08-834-108-4

Query Match 83.7%; Score 41; DB 2; Length 925;  
Best Local Similarity 66.7%; Pred. No. 14;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9  
Db 204 LLIGRPFD 212

RESULT 19  
US-08-861-338-18  
;; Sequence 18, Application US/08861338  
;; Patent No. 6174993  
;; GENERAL INFORMATION:  
;; APPLICANT: Ben-Sasson, Shmuel A.  
;; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
;; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
;; NUMBER OF SEQUENCES: 22  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
;; STREET: Two Militia Drive  
;; CITY: Lexington  
;; STATE: Massachusetts  
;; COUNTRY: USA  
;; ZIP: 02173  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/861,338  
;; FILING DATE: 21-MAY-1997  
;; CLASSIFICATION: 514  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Brook, David E.  
;; REGISTRATION NUMBER: 22,592  
;; REFERENCE/DOCKET NUMBER: CMCC-590  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (781) 861-6240  
;; TELEFAX: (781) 861-9540  
;; INFORMATION FOR SEQ ID NO: 6:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 20 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: not relevant  
;; TOPOLOGY: not relevant  
;; MOLECULE TYPE: peptide  
US-08-861-338-6

Query Match

81.6%; Score 40; DB 3; Length 20;

;; TELEFAX: (781) 861-9540  
;; INFORMATION FOR SEQ ID NO: 18:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 9 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: not relevant  
;; TOPOLOGY: not relevant  
;; MOLECULE TYPE: peptide  
;; FEATURE:  
;; NAME/KEY: Modified-site  
;; LOCATION: 1  
;; OTHER INFORMATION: /note= "N-Acetyl Leucine"  
;; FEATURE:  
;; NAME/KEY: Modified-site  
;; LOCATION: 7  
;; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"  
;; FEATURE:  
;; NAME/KEY: Modified-site  
;; LOCATION: 9  
;; OTHER INFORMATION: /note= "Serine-NH2"  
US-08-861-338-18

Query Match 81.6%; Score 40; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 2e+05; 0; Indels 0; Gaps 0;  
Matches 7; Conservative 0; Mismatches 0;

QY 3 LGRPPPE 9  
Db 1 LGRPPPE 7

RESULT 20  
US-08-861-338-6  
;; Sequence 6, Application US/08861338  
;; Patent No. 6174993  
;; GENERAL INFORMATION:  
;; APPLICANT: Ben-Sasson, Shmuel A.  
;; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
;; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
;; NUMBER OF SEQUENCES: 22  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
;; STREET: Two Militia Drive  
;; CITY: Lexington  
;; STATE: Massachusetts  
;; COUNTRY: USA  
;; ZIP: 02173  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/861,338  
;; FILING DATE: 21-MAY-1997  
;; CLASSIFICATION: 514  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Brook, David E.  
;; REGISTRATION NUMBER: 22,592  
;; REFERENCE/DOCKET NUMBER: CMCC-590  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (781) 861-6240  
;; TELEFAX: (781) 861-9540  
;; INFORMATION FOR SEQ ID NO: 6:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 20 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: not relevant  
;; TOPOLOGY: not relevant  
;; MOLECULE TYPE: peptide  
US-08-861-338-6

Query Match

81.6%; Score 40; DB 3; Length 20;

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Best Local Similarity 66.7%; Pred. No. 0.41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9
Db 3 LLVGKPPPE 11

RESULT 21
US-08-252-995D-14
; Sequence 14, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; US-08-252-995D-14

Query Match 81.6%; Score 40; DB 1; Length 272;
Best Local Similarity 66.7%; Pred. No. 6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9
Db 3 LLVGKPPPE 11

RESULT 22
US-08-834-108-14
; Sequence 14, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; US-08-834-108-14

Query Match 81.6%; Score 40; DB 1; Length 272;
Best Local Similarity 66.7%; Pred. No. 6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9
Db 3 LLVGKPPPE 11

RESULT 23
US-09-198-122-2
; Sequence 2, Application US/09198122
; Patent No. 6180380
; GENERAL INFORMATION:
; APPLICANT: Strebhardt, Klaus; Rubsamen-Waigmann, Helga;
; APPLICANT: Holtz, Uwe
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
; TITLE OF INVENTION: THREONINE-KINASE FAMILY
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591-5144
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
; COMPUTER: NEC Powermate SX-20
; OPERATING SYSTEM: DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/198,122
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/601,014
; FILING DATE: 23-FEB-1996
; APPLICATION NUMBER: PCT/EP94/02863
; FILING DATE: 30-AUG-1994
```

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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: DE 4329177
/ FILING DATE: 30-AUG-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurt G. Briscoe
/ REGISTRATION NUMBER: 33,141
/ REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (914) 332-1700
/ TELEFAX: (914) 332-1844
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 603 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: Protein
US-09-198-122-2
Query Match 81.6%; Score 40; DB 3; Length 603;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
:|:|:|
Db 244 LLVGKPPPE 252

RESULT 24
US-09-311-311C-26
/ Sequence 26, Application US/09311311C
/ Patent No. 6358738
/ GENERAL INFORMATION:
/ APPLICANT: Erikson, et al.
/ TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
/ FILE OF INVENTION: METHODS, AND USES THEREFOR
/ FILE REFERENCE: 1874/117
/ CURRENT APPLICATION NUMBER: US/09/311,311C
/ CURRENT FILING DATE: 1999-05-13
/ PRIOR APPLICATION NUMBER: US 60/085,296
/ PRIOR FILING DATE: 1998-05-13
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 26
/ LENGTH: 603
/ TYPE: PRT
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (1)...(603)
/ OTHER INFORMATION: Plk protein
US-09-311-311C-26
Query Match 81.6%; Score 40; DB 4; Length 603;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
:|:|:|
Db 244 LLVGKPPPE 252

RESULT 25
US-07-857-224B-17
/ Sequence 17, Application US/07857224B
/ Patent No. 5958784
/ GENERAL INFORMATION:
/ APPLICANT: Benner, Steven A.
/ TITLE OF INVENTION: Predicting Folded Structures of Proteins
/ NUMBER OF SEQUENCES: 114
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Steven A. Benner
/ STREET: Hadlaubstrasse 151

/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: DE 4329177
/ FILING DATE: 30-AUG-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurt G. Briscoe
/ REGISTRATION NUMBER: 33,141
/ REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (914) 332-1700
/ TELEFAX: (914) 332-1844
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 603 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: Protein
US-09-198-122-2
Query Match 81.6%; Score 40; DB 3; Length 603;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
:|:|:|
Db 244 LLVGKPPPE 252

RESULT 24
US-09-311-311C-26
/ Sequence 26, Application US/09311311C
/ Patent No. 6358738
/ GENERAL INFORMATION:
/ APPLICANT: Erikson, et al.
/ TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
/ FILE OF INVENTION: METHODS, AND USES THEREFOR
/ FILE REFERENCE: 1874/117
/ CURRENT APPLICATION NUMBER: US/09/311,311C
/ CURRENT FILING DATE: 1999-05-13
/ PRIOR APPLICATION NUMBER: US 60/085,296
/ PRIOR FILING DATE: 1998-05-13
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 26
/ LENGTH: 603
/ TYPE: PRT
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (1)...(603)
/ OTHER INFORMATION: Plk protein
US-09-311-311C-26
Query Match 81.6%; Score 40; DB 4; Length 603;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
:|:|:|
Db 244 LLVGKPPPE 252

RESULT 25
US-07-857-224B-17
/ Sequence 17, Application US/07857224B
/ Patent No. 5958784
/ GENERAL INFORMATION:
/ APPLICANT: Benner, Steven A.
/ TITLE OF INVENTION: Predicting Folded Structures of Proteins
/ NUMBER OF SEQUENCES: 114
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Steven A. Benner
/ STREET: Hadlaubstrasse 151

/ CITY: Zurich
/ STATE: none
/ COUNTRY: Switzerland
/ ZIP: (note: this is an international post code) CH-8092
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh 7.0
/ SOFTWARE: Microsoft Word
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/857,224B
/ FILING DATE: 03/25/92
/ CLASSIFICATION: 436
/ PRIOR APPLICATION DATA: none
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (International) 41 1 632 2830
/ TELEFAX: (International) 41 1 262 2437
/ TELEX: none
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 264
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE:
/ DESCRIPTION: protein
/ ORIGINAL SOURCE:
/ ORGANISM: Drosophila melanogaster
/ FEATURE: Protein kinase; Table 8 Column 18
/ PUBLICATION INFORMATION:
/ AUTHORS:
/ AUTHORS: Hanks, S. K.
/ AUTHORS: Quinn, A. M.
/ AUTHORS: Hunter, T.
/ TITLE: The protein kinase family
/ JOURNAL: Science
/ VOLUME: 241
/ PAGES: 42-52
/ DATE: 1988
US-07-857-224B-17
Query Match 79.6%; Score 39; DB 2; Length 264;
Best Local Similarity 66.7%; Pred. No. 8.9;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
:|:|:|
Db 195 MLVGQPPFD 203

RESULT 26
US-08-252-995D-11
/ Sequence 11, Application US/08252995D
/ Patent No. 5650501
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: M5H 3Y2
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/252,995D
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;
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Drosophila melanogaster
; US-08-252-995D-11

Query Match 79.6%; Score 39; DB 1; Length 271;
Best Local Similarity 66.7%; Pred. No. 9.2;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 198 LLVGQPPPE 206

RESULT 27
US-08-834-108-11
; Sequence 11, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Drosophila melanogaster
; US-08-834-108-11
```

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Query Match 79.6%; Score 39; DB 2; Length 271;
Best Local Similarity 66.7%; Pred. No. 9.2;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 198 LLVGQPPPE 206

RESULT 28
US-09-739-455-12
; Sequence 12, Application US/09739455
; Patent No. 6413756
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000653
; CURRENT APPLICATION NUMBER: US/09/739,455
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Leishmania mexicana
; US-09-739-455-12

Query Match 79.6%; Score 39; DB 4; Length 303;
Best Local Similarity 88.9%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 207 MLLGRPLFE 215

RESULT 29
US-09-739-455-22
; Sequence 22, Application US/09739455
; Patent No. 6413756
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000653
; CURRENT APPLICATION NUMBER: US/09/739,455
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Leishmania mexicana
; US-09-739-455-22

Query Match 79.6%; Score 39; DB 4; Length 303;
Best Local Similarity 88.9%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 207 MLLGRPLFE 215

RESULT 30
US-09-252-991A-28679
; Sequence 28679, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
```

;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
;; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

;; FILE REFERENCE: 107196.136  
;; CURRENT APPLICATION NUMBER: US/09/252,991A  
;; CURRENT FILING DATE: 1999-02-18  
;; PRIOR APPLICATION NUMBER: US 60/074,788  
;; PRIOR FILING DATE: 1998-02-18  
;; PRIOR APPLICATION NUMBER: US 60/094,190  
;; PRIOR FILING DATE: 1998-07-27  
;; NUMBER OF SEQ ID NOS: 33142  
;; SEQ ID NO 28679  
;; TYPE: PRT  
;; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-28679

Query Match 77.6%; Score 38; DB 4; Length 259;  
Best Local Similarity 100.0%; Pred. No. 13;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPP 7  
DB 152 MLLGRPP 158

RESULT 31  
US-08-252-995D-13  
;; Sequence 13, Application US/08252995D  
;; Patent No. 5650501  
;; GENERAL INFORMATION:  
;; APPLICANT: Dennis, James W  
;; APPLICANT: Heffernan, Mike  
;; APPLICANT: Fode, Carol  
;; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BERESKIN & PARR  
;; STREET: 40 King Street West  
;; CITY: Toronto  
;; STATE: Ontario  
;; COUNTRY: Canada  
;; ZIP: M5H 3Y2

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; FILING DATE: 02-JUN-1994  
;; CLASSIFICATION: 536  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kurdydyk, Linda M  
;; REGISTRATION NUMBER: 34,971  
;; REFERENCE/DOCKET NUMBER: 3153-96  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (416) 364-7311  
;; TELEFAX: (416) 361-1398  
;; INFORMATION FOR SEQ ID NO: 13:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 275 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; ORIGINAL SOURCE:  
;; ORGANISM: Saccharomyces cerevisiae

US-08-252-995D-13

Query Match 77.6%; Score 38; DB 1; Length 275;  
Best Local Similarity 55.6%; Pred. No. 14;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPP 7  
DB 200 LLIGKPPFQ 208

RESULT 33  
US-08-755-728-3  
;; Sequence 3, Application US/08755728  
;; Patent No. 5962312  
;; GENERAL INFORMATION:  
;; APPLICANT: Plowman, Gregory  
;; APPLICANT: Mossie, Kevin  
;; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
;; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
;; NUMBER OF SEQUENCES: 29  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Lyon & Lyon  
;; STREET: 633 West Fifth Street  
;; STREET: Suite 4700  
;; CITY: Los Angeles

Query Match 77.6%; Score 38; DB 1; Length 275;  
Best Local Similarity 55.6%; Pred. No. 14;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPP 9  
DB 200 LLIGKPPFQ 208

RESULT 32  
US-08-834-108-13  
;; Sequence 13, Application US/08834108  
;; Patent No. 5976893  
;; GENERAL INFORMATION:  
;; APPLICANT: Dennis, James W  
;; APPLICANT: Heffernan, Mike  
;; APPLICANT: Fode, Carol  
;; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BERESKIN & PARR  
;; STREET: 40 King Street West  
;; CITY: Toronto  
;; STATE: Ontario  
;; COUNTRY: Canada  
;; ZIP: M5H 3Y2

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; FILING DATE: 02-JUN-1994  
;; CLASSIFICATION: 536  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kurdydyk, Linda M  
;; REGISTRATION NUMBER: 34,971  
;; REFERENCE/DOCKET NUMBER: 3153-210  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (416) 364-7311  
;; TELEFAX: (416) 361-1398  
;; INFORMATION FOR SEQ ID NO: 13:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 275 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; ORIGINAL SOURCE:  
;; ORGANISM: Saccharomyces cerevisiae

US-08-834-108-13

Query Match 77.6%; Score 38; DB 2; Length 275;  
Best Local Similarity 55.6%; Pred. No. 14;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPP 9  
DB 200 LLIGKPPFQ 208

RESULT 33  
US-08-755-728-3  
;; Sequence 3, Application US/08755728  
;; Patent No. 5962312  
;; GENERAL INFORMATION:  
;; APPLICANT: Plowman, Gregory  
;; APPLICANT: Mossie, Kevin  
;; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
;; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
;; NUMBER OF SEQUENCES: 29  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Lyon & Lyon  
;; STREET: 633 West Fifth Street  
;; STREET: Suite 4700  
;; CITY: Los Angeles

Query Match 77.6%; Score 38; DB 2; Length 275;  
Best Local Similarity 55.6%; Pred. No. 14;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPP 9  
DB 200 LLIGKPPFQ 208

RESULT 33  
US-08-755-728-3  
;; Sequence 3, Application US/08755728  
;; Patent No. 5962312  
;; GENERAL INFORMATION:  
;; APPLICANT: Plowman, Gregory  
;; APPLICANT: Mossie, Kevin  
;; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
;; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
;; NUMBER OF SEQUENCES: 29  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Lyon & Lyon  
;; STREET: 633 West Fifth Street  
;; STREET: Suite 4700  
;; CITY: Los Angeles



; STATE: California  
 ; COUNTRY: U.S.A.  
 ; ZIP: 90071-2066  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 ; MEDIUM TYPE: storage  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0  
 ; SOFTWARE: FastSeq for Windows 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/755,728  
 ; FILING DATE: No. 5962312ember 25, 1996  
 ; CLASSIFICATION: 530  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 60/008,809  
 ; FILING DATE: December 18, 1995  
 ; APPLICATION NUMBER: 60/023,943  
 ; FILING DATE: August 14, 1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Warburg, Richard J.  
 ; REGISTRATION NUMBER: 32,327  
 ; REFERENCE/DOCKET NUMBER: 223/113  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (213) 489-1600  
 ; TELEFAX: (213) 955-0440  
 ; TELEX: 67-3510  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 344 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; LENGTH: 344 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; US-08-755-728-3

Query Match 77.6%; Score 38; DB 2; Length 344;  
 Best Local Similarity 66.7%; Pred. No. 18;  
 Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

QY 1 MLGRRPPE 9  
 :|||  
 Db 266 LLVGNPPE 274

RESULT 34  
 US-08-974-655-3  
 ; Sequence 3, Application US/08974655  
 ; Patent No. 5972676  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Plowman, Gregory  
 ; APPLICANT: Mossie, Kevin  
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
 ; NUMBER OF SEQUENCES: 29  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Lyon & Lyon  
 ; STREET: 633 West Fifth Street  
 ; STREET: Suite 4700  
 ; CITY: Los Angeles  
 ; STATE: California  
 ; COUNTRY: U.S.A.  
 ; ZIP: 90071-2066  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 ; MEDIUM TYPE: storage  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0  
 ; SOFTWARE: FastSeq for Windows 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/974,655  
 ; FILING DATE:

; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/755,728  
 ; FILING DATE: No. 5972676ember 25, 1996  
 ; APPLICATION NUMBER: 60/008,809  
 ; FILING DATE: December 18, 1995  
 ; APPLICATION NUMBER: 60/023,943  
 ; FILING DATE: August 14, 1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Warburg, Richard J.  
 ; REGISTRATION NUMBER: 32,327  
 ; REFERENCE/DOCKET NUMBER: 223/113  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (213) 489-1600  
 ; TELEFAX: (213) 955-0440  
 ; TELEX: 67-3510  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 344 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; US-08-974-655-3

Query Match 77.6%; Score 38; DB 2; Length 344;  
 Best Local Similarity 66.7%; Pred. No. 18;  
 Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

QY 1 MLGRRPPE 9  
 :|||  
 Db 266 LLVGNPPE 274

RESULT 35  
 US-09-283-011-3  
 ; Sequence 3, Application US/09283011  
 ; Patent No. 6207401  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Plowman, Gregory  
 ; APPLICANT: Mossie, Kevin  
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
 ; NUMBER OF SEQUENCES: 39  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Lyon & Lyon  
 ; STREET: 633 West Fifth Street  
 ; STREET: Suite 4700  
 ; CITY: Los Angeles  
 ; STATE: California  
 ; COUNTRY: U.S.A.  
 ; ZIP: 90071-2066  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 ; MEDIUM TYPE: storage  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0  
 ; SOFTWARE: FastSeq for Windows 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/283,011  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 09/012,135  
 ; FILING DATE: January 22, 1998  
 ; APPLICATION NUMBER: 08/755,728  
 ; FILING DATE: No. 6207401ember 25, 1996  
 ; APPLICATION NUMBER: 60/023,943  
 ; FILING DATE: August 14, 1996  
 ; APPLICATION NUMBER: 60/008,809  
 ; FILING DATE: December 18, 1995

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 231/282
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-09-283-011-3

Query Match 77.6%; Score 38; DB 3; Length 344;
Best Local Similarity 66.7%; Pred. No. 18;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
Db 266 LLVGNPFPE 274

RESULT 36
US-09-016-000-1
; Sequence 1, Application US/09016000
; Patent No. 5962232
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; TITLE OF INVENTION: PROTEIN KINASE MOLECULES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,000
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0465 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 347 amino acids
; TYPE: amino acid

;
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: HMC1NOT01
; CLONE: 2940
; US-09-016-000-1

Query Match 77.6%; Score 38; DB 2; Length 347;
Best Local Similarity 66.7%; Pred. No. 18;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
Db 269 LLVGNPFPE 277

RESULT 37
US-08-755-728-4
; Sequence 4, Application US/08755728
; Patent No. 5962312
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,728
; FILING DATE: No. 5962312ember 25, 1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-755-728-4

Query Match 77.6%; Score 38; DB 2; Length 403;
Best Local Similarity 75.0%; Pred. No. 21;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGRPPFE 9
```

```
Db      323 LVGKPPPE 330
[.:|:|:]
RESULT 38
US-08-974-655-4
; Sequence 4, Application US/08974655
; Patent No. 5972676
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,655
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/755,728
; FILING DATE: No. 5972676member 25, 1996
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-974-655-4
Query Match      77.6%; Score 38; DB 2; Length 403;
Best Local Similarity 75.0%; Pred. No. 21;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LLGRPPPE 9
[.:|:|:]
Db      323 LVGKPPPE 330
[.:|:|:]
RESULT 39
US-09-283-011-4
; Sequence 4, Application US/09283011
; Patent No. 6207401
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
```

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; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/283,011
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/012,135
; FILING DATE: January 22, 1998
; APPLICATION NUMBER: 08/755,728
; FILING DATE: No. 6207401member 25, 1996
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 231/282
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-283-011-4
Query Match      77.6%; Score 38; DB 3; Length 403;
Best Local Similarity 75.0%; Pred. No. 21;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LLGRPPPE 9
[.:|:|:]
Db      323 LVGKPPPE 330
[.:|:|:]
RESULT 40
US-09-772-647-4
; Sequence 4, Application US/09772647
; Patent No. 6521815
; GENERAL INFORMATION:
; APPLICANT: Verma, Ajit K
; APPLICANT: Reddig, Peter J
; APPLICANT: Jansen, Aaron P
; TITLE OF INVENTION: Animal Model System for Squamous Cell Carcinoma
; FILE REFERENCE: 960296.97613
; CURRENT APPLICATION NUMBER: US/09/772,647
; CURRENT FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 4
; LENGTH: 737
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T7 tag and
; OTHER INFORMATION: mouse protein kinase C epsilon coding sequence
US-09-772-647-4

Query Match          77.6%; Score 38; DB 4; Length 737;
Best Local Similarity 66.7%; Pred. No. 39;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 MLLGRPPPE 9
      | : |||||
Db      600 MMAGQPPPE 608

Search completed: June 9, 2004, 11:03:06
Job time : 13.3261 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 36.1957 Seconds  
(without alignments)  
69.954 Million cell updates/sec

Title: US-09-736-076-15

Perfect score: 49

Sequence: 1 MLLGRPPFE 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:\*  
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5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
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8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
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14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
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17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	49	100.0	9	9	US-09-736-076-15	Sequence 15, Appl
2	49	100.0	10	9	US-09-736-076-57	Sequence 57, Appl
3	49	100.0	11	9	US-09-736-076-19	Sequence 19, Appl
4	49	100.0	400	14	US-10-026-021-5	Sequence 5, Appl
5	49	100.0	469	14	US-10-059-585-14	Sequence 14, Appl
6	49	100.0	685	9	US-09-771-161A-249	Sequence 249, Appl
7	49	100.0	685	9	US-09-771-161A-250	Sequence 250, Appl
8	49	100.0	685	9	US-09-771-161A-251	Sequence 251, Appl
9	49	100.0	685	10	US-09-769-970-1	Sequence 1, Appl
10	49	100.0	685	12	US-10-260-708-69	Sequence 69, Appl
11	49	100.0	685	14	US-10-024-298A-101	Sequence 101, Appl
12	49	100.0	685	14	US-10-042-211A-101	Sequence 101, Appl
13	49	100.0	685	16	US-10-617-217A-101	Sequence 101, Appl
14	49	100.0	753	15	US-10-264-049-3124	Sequence 3124, Appl
15	46	93.9	9	9	US-09-736-076-17	Sequence 17, Appl

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16 41 83.7 8 9 US-09-736-076-16 Sequence 16, Appl
17 41 83.7 379 14 US-10-026-021-3 Sequence 3, Appl
18 41 83.7 521 15 US-10-369-493-5956 Sequence 5956, Ap
19 41 83.7 928 12 US-10-425-114-37528 Sequence 37528, A
20 41 83.7 970 14 US-10-026-021-2 Sequence 2, Appl
21 41 83.7 970 16 US-10-408-765A-1916 Sequence 1916, Ap
22 40 81.6 9 US-09-736-076-18 Sequence 18, Appl
23 40 81.6 20 9 US-09-736-076-6 Sequence 6, Appl
24 40 81.6 329 9 US-09-925-300-1268 Sequence 1268, Ap
25 40 81.6 367 14 US-10-026-021-6 Sequence 6, Appl
26 40 81.6 516 9 US-09-771-161A-123 Sequence 123, Appl
27 40 81.6 528 14 US-10-032-585-7571 Sequence 7571, Ap
28 40 81.6 603 9 US-09-771-161A-214 Sequence 214, App
29 40 81.6 603 12 US-10-406-901-2 Sequence 2, Appl
30 40 81.6 603 14 US-10-171-311-186 Sequence 186, App
31 40 81.6 603 16 US-10-188-832-110 Sequence 110, App
32 40 81.6 603 16 US-10-408-765A-2279 Sequence 2279, Ap
33 40 81.6 629 12 US-10-425-114-37525 Sequence 37525, A
34 39 79.6 303 14 US-10-153-919-12 Sequence 12, Appl
35 39 79.6 303 14 US-10-153-919-12 Sequence 12, Appl
36 38 77.6 8 9 US-09-736-076-58 Sequence 58, Appl
37 38 77.6 256 10 US-09-898-837A-32 Sequence 32, Appl
38 38 77.6 329 15 US-10-369-493-5056 Sequence 5056, Ap
39 38 77.6 344 9 US-09-012-135A-3 Sequence 3, Appl
40 38 77.6 344 12 US-10-060-065-13 Sequence 13, Appl
41 38 77.6 344 14 US-10-059-585-34 Sequence 34, Appl
42 38 77.6 344 14 US-10-171-311-214 Sequence 214, App
43 38 77.6 344 15 US-10-295-027-203 Sequence 203, App
44 38 77.6 344 15 US-10-173-999-101 Sequence 101, App
45 38 77.6 344 16 US-10-168-832-93 Sequence 93, Appl

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#### ALIGNMENTS

RESULT 1

US-09-736-076-15

; Sequence 15, Application US/09736076

; Patent No. US20020049301A1

; GENERAL INFORMATION:

; APPLICANT: Ben-Sasson Shmuel A.

; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY

; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES

; FILE REFERENCE: 1242.1015-009

; CURRENT APPLICATION NUMBER: US/09/736,076

; CURRENT FILING DATE: 2000-12-13

; PRIOR APPLICATION NUMBER: US 08/861,338

; PRIOR FILING DATE: 1997-05-21

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 15

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: ACETYLATION

; LOCATION: (1)...(9)

; OTHER INFORMATION: position 9 is benzylester

; NAME/KEY: AMIDATION

; LOCATION: (9)...(9)

; OTHER INFORMATION: J42

US-09-736-076-15

Query Match 100.0%; Score 49; DB 9; Length 9;

Best Local Similarity 100.0%; Pred. No. 1e+06;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9

Db 1 MLLGRPPFE 9

RESULT 2

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US-09-736-076-57
; Sequence 57, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 57
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MYRISTATE
; LOCATION: (1)...(10)
; OTHER INFORMATION: position 10 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (1)...(10)
; OTHER INFORMATION: SNK
; US-09-736-076-57

Query Match 100.0%; Score 49; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.048;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 2 MLLGRPPPE 10

RESULT 3
US-09-736-076-19
; Sequence 19, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLTATION
; LOCATION: (1)...(10)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (1)...(11)
; OTHER INFORMATION: J46
; US-09-736-076-19

Query Match 100.0%; Score 49; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.052;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 1 MLLGRPPPE 9

US-10-026-021-5
; Sequence 5, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(400)
; OTHER INFORMATION: human SNK mitotic kinase domain
; US-10-026-021-5

Query Match 100.0%; Score 49; DB 14; Length 400;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 273 MLLGRPPPE 281

RESULT 4
US-10-059-585-14
; Sequence 14, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29

RESULT 5
US-10-059-585-14
; Sequence 14, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
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; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-14

Query Match      100.0%; Score 49; DB 14; Length 469;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 57 MLLGRPPPE 65

RESULT 6
US-09-771-161A-249
; Sequence 249, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 249
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-249

Query Match      100.0%; Score 49; DB 9; Length 685;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 273 MLLGRPPPE 281

RESULT 7
US-09-771-161A-250
; Sequence 250, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-250

Query Match      100.0%; Score 49; DB 9; Length 685;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 273 MLLGRPPPE 281

RESULT 8
US-09-771-161A-251
; Sequence 251, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 251
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-251

Query Match      100.0%; Score 49; DB 9; Length 685;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9
Db 273 MLLGRPPPE 281

RESULT 9
US-09-769-970-1
; Sequence 1, Application US/09769970
; Publication No. US20030170219A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
; Corley, Neil C.
; Guegler, Karl G.
; Lal, Preeti
; Goli, Surya K.
; Shah, Purvi
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/769,970
; FILING DATE: 24-Jan-2001
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; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/272,796
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0321 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 685 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: HUVEBOB01
; CLONE: 39043
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-769-970-1
Query Match 100.0%; Score 49; DB 10; Length 685;
Best Local Similarity 100.0%; Pred. No. 2.9; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLLGRPPFE 9
Db 273 MLLGRPPFE 281
RESULT 10
US-10-260-708-69
; Sequence 69, Application US/10260708
; Publication No. US20040063101A1
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Lee, Sang-yull
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Human Sarcoma-Associated Antigens
; FILE REFERENCE: 100461/70138
; CURRENT APPLICATION NUMBER: US/10/260,708
; CURRENT FILING DATE: 2002-09-30
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
; LENGTH: 685
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-260-708-69
Query Match 100.0%; Score 49; DB 12; Length 685;
Best Local Similarity 100.0%; Pred. No. 2.9; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLLGRPPFE 9
Db 273 MLLGRPPFE 281
RESULT 11
US-10-024-298A-101
; Sequence 101, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAH KASEI KABUSHIKI KAISHA
; APPLICANT: AKIO MATSUDA
; APPLICANT: Goichi HONDA
; APPLICANT: Shuji MURAMATSU
; APPLICANT: Yukiko NAGANO
; TITLE OF INVENTION: NF-K B Activating Gene
; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-042-211A-101
Query Match 100.0%; Score 49; DB 14; Length 685;
Best Local Similarity 100.0%; Pred. No. 2.9; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLLGRPPFE 9
Db 273 MLLGRPPFE 281
RESULT 12
US-10-042-211A-101
; Sequence 101, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NFkB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-042-211A-101
Query Match 100.0%; Score 49; DB 14; Length 685;
Best Local Similarity 100.0%; Pred. No. 2.9; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLLGRPPFE 9
Db 273 MLLGRPPFE 281
RESULT 13
US-10-617-217A-101
```



; Sequence 101, Application US/10617217A  
; Publication No. US20040081986A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NF-KB ACTIVATING GENE  
; FILE REFERENCE: 1254-0229P  
; CURRENT APPLICATION NUMBER: US/10/617,217A  
; CURRENT FILING DATE: 2003-07-11  
; PRIOR APPLICATION NUMBER: JP 2000-402288  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 224  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-617-217A-101

Query Match 100.0%; Score 49; DB 16; Length 685;  
Best Local Similarity 100.0%; Pred. No. 2.9;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9  
Db 273 MLLGRPPPE 281

## RESULT 14

; Sequence 3124, Application US/10264049  
; Publication No. US20040005579A1  
; GENERAL INFORMATION:  
; APPLICANT: Birse et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PA13391  
; CURRENT APPLICATION NUMBER: US/10/264,049  
; CURRENT FILING DATE: 2002-10-04  
; PRIOR APPLICATION NUMBER: PCT/US01/18569  
; PRIOR FILING DATE: 2001-06-07  
; PRIOR APPLICATION NUMBER: US 60/209,467  
; PRIOR FILING DATE: 2000-06-07  
; NUMBER OF SEQ ID NOS: 4360  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 3124  
; LENGTH: 753  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (33)  
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids  
; US-10-264-049-3124

Query Match 100.0%; Score 49; DB 15; Length 753;  
Best Local Similarity 100.0%; Pred. No. 3.2;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9  
Db 341 MLLGRPPPE 349

## RESULT 15

US-09-736-076-17  
; Sequence 17, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLTATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J43.1  
; US-09-736-076-17

Query Match 93.9%; Score 46; DB 9; Length 9;  
Best Local Similarity 88.9%; Pred. No. 1e+06;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 9  
Db 1 MLLGRPPPE 9

## RESULT 16

US-09-736-076-16  
; Sequence 16, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLTATION  
; LOCATION: (1)...(0)  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(8)  
; OTHER INFORMATION: J43  
; US-09-736-076-16

Query Match 83.7%; Score 41; DB 9; Length 8;  
Best Local Similarity 87.5%; Pred. No. 1e+06;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPPE 8  
Db 1 MLLGRPPPE 8

## RESULT 17

```
US-10-026-021-3
; Sequence 3, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(379)
; OTHER INFORMATION: SAK serine/threonine kinase domain
US-10-026-021-3
Query Match 83.7%; Score 41; DB 14; Length 379;
Best Local Similarity 66.7%; Pred. No. 41;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 204 LLIGRPPFD 212

RESULT 18
US-10-369-493-5956
; Sequence 5956, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5956
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-5956
Query Match 83.7%; Score 41; DB 15; Length 521;
Best Local Similarity 66.7%; Pred. No. 56;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 401 LMLGRPPFQ 409

RESULT 19
US-10-425-114-37528
; Sequence 37528, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(379)
; OTHER INFORMATION: SAK serine/threonine kinase domain
US-10-026-021-3
Query Match 83.7%; Score 41; DB 14; Length 379;
Best Local Similarity 66.7%; Pred. No. 41;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 204 LLIGRPPFD 212

RESULT 20
US-10-026-021-2
; Sequence 2, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human SAK serine/threonine kinase
US-10-026-021-2
Query Match 83.7%; Score 41; DB 14; Length 970;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 204 LLIGRPPFD 212

RESULT 21
US-10-408-765A-1916
; Sequence 1916, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Faby, Eoin D.
; APPLICANT: Zhang, Bing
```

; APPLICANT: Gibson, Bradford W.  
; APPLICANT: Taylor, Steven W.  
; APPLICANT: Glenn, Gary M.  
; APPLICANT: Warnock, Dale E.  
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME  
; FILE REFERENCE: 660088.465  
; CURRENT APPLICATION NUMBER: US/10/408,765A  
; CURRENT FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 3077  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1916  
; LENGTH: 970  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-408-765A-1916

Query Match 83.7%; Score 41; DB 16; Length 970;  
Best Local Similarity 66.7%; Pred. No. 1e+02;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGRPPPE 9  
Db 204 LLIGRPPPD 212  
:|:|||||:

RESULT 22  
US-09-736-076-18  
; Sequence 18, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 7 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J45  
US-09-736-076-18

Query Match 81.6%; Score 40; DB 9; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1e+06;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 LGRPPPE 9  
Db 1 LGRPPPE 7  
|||||||

RESULT 23  
US-09-736-076-6  
; Sequence 6, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076

; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: POLO  
US-09-736-076-6

Query Match 81.6%; Score 40; DB 9; Length 20;  
Best Local Similarity 66.7%; Pred. No. 3.5;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGRPPPE 9  
Db 3 LLVGKPPPE 11  
:|:|||||:

RESULT 24  
US-09-925-300-1268  
; Sequence 1268, Application US/09925300  
; Patent No. US20020151681A1  
; GENERAL INFORMATION:  
; APPLICANT: Craig Rosen,  
; APPLICANT: Steve Ruben  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA101  
; CURRENT APPLICATION NUMBER: US/09/925,300  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05988  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1890  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1268  
; LENGTH: 329  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (3)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (59)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (307)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (308)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (314)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (317)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (323)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (327)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (328)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (329)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-300-1268

Query Match 81.6%; Score 40; DB 9; Length 329;  
Best Local Similarity 66.7%; Pred. No. 53;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9  
:|:|:|  
Db 260 LLVGKPPPE 268

## RESULT 25

US-10-026-021-6  
; Sequence 6, Application US/10026021  
; Publication No. US20030027756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoshi, Yasumichi  
; APPLICANT: Demo, Susan  
; APPLICANT: Jenkins, Yonchu  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; FILE OF INVENTION: Treatment of Cancer  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: US 60/309,632  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 367  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY: DOMAIN  
; LOCATION: (1)..(367)  
; OTHER INFORMATION: human PLK1 mitotic kinase kinase domain  
US-10-026-021-6

Query Match 81.6%; Score 40; DB 14; Length 367;  
Best Local Similarity 66.7%; Pred. No. 59;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9  
:|:|:|  
Db 244 LLVGKPPPE 252

## RESULT 26

US-09-771-161A-123  
; Sequence 123, Application US/09771161A  
; Patent No. US20020110811A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVINE, et al.  
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
; FILE REFERENCE: 802620-2005.1  
; CURRENT APPLICATION NUMBER: US/09/771,161A  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 09/724,676  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 136776  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 135619  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 123  
; LENGTH: 516  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-123

Query Match 81.6%; Score 40; DB 9; Length 516;  
Best Local Similarity 66.7%; Pred. No. 82;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9  
:|:|:|  
Db 157 LLVGKPPPE 165

## RESULT 27

US-10-032-585-7571  
; Sequence 7571, Application US/10032585  
; Publication No. US20030180953A1  
; GENERAL INFORMATION:  
; APPLICANT: Terry, Roemer D.  
; APPLICANT: Bo, Jiang  
; APPLICANT: Charles, Boone  
; APPLICANT: Howard, Bussey  
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery  
; FILE REFERENCE: 10182-005-999  
; CURRENT APPLICATION NUMBER: US/10/032,585  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 8000  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7571  
; LENGTH: 528  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-10-032-585-7571

Query Match 81.6%; Score 40; DB 14; Length 528;  
Best Local Similarity 66.7%; Pred. No. 84;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9  
:|:|:|  
Db 454 LLVGKPPPE 462

## RESULT 28

US-09-771-161A-214  
; Sequence 214, Application US/09771161A  
; Patent No. US20020110811A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVINE, et al.  
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
; FILE REFERENCE: 802620-2005.1  
; CURRENT APPLICATION NUMBER: US/09/771,161A  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 09/724,676  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 136776  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 135619  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 214  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-214

Query Match 81.6%; Score 40; DB 9; Length 603;  
Best Local Similarity 66.7%; Pred. No. 96;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPE 9  
:|:|:|  
Db 244 LLVGKPPPE 252

## RESULT 29

US-10-406-901-2  
; Sequence 2, Application US/10406901  
; Publication No. US20040033578A1  
; GENERAL INFORMATION:  
; APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;  
; Holtrich, Uwe  
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-  
; THREONINE-KINASE FAMILY  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS  
; STREET: 660 White Plains Road  
; CITY: Tarrytown  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10591-5144  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB  
; storage  
; COMPUTER: NEC Powermate SX-20  
; OPERATING SYSTEM: DOS  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/406,901  
; FILING DATE: 03-Apr-2003  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/634,443  
; FILING DATE: 08-Aug-2000  
; APPLICATION NUMBER: US/08/601,014  
; FILING DATE: 23-FEB-1996  
; APPLICATION NUMBER: PCT/EP94/02863  
; FILING DATE: 30-AUG-1994  
; APPLICATION NUMBER: DE 4329177  
; FILING DATE: 30-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurt G. Briscoe  
; REGISTRATION NUMBER: 33,141  
; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (914) 332-1700  
; TELEFAX: (914) 332-1844  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 603 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: Protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-406-901-2  
Query Match 81.6%; Score 40; DB 12; Length 603;  
Best Local Similarity 66.7%; Pred. No. 96;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLGKPPPE 9  
Db 244 LLVGKPPPE 252  
RESULT 30  
US-10-171-311-186  
; Sequence 186, Application US/10171311  
; Publication No. US20030087270A1  
; GENERAL INFORMATION:  
; APPLICANT: Schlegel, Robert  
; APPLICANT: Chen, Yan  
; APPLICANT: Zhao, Xumei  
; APPLICANT: Monahan, John  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Glatt, Karen  
; APPLICANT: Gannavarapu, Marjula

; APPLICANT: Hoersht, Sebastian  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
; FILE REFERENCE: MRI-035  
; CURRENT APPLICATION NUMBER: US/10/171,311  
; CURRENT FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: US 60/298,159  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/298,155  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/335,936  
; PRIOR FILING DATE: 2001-11-14  
; NUMBER OF SEQ ID NOS: 238  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 186  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-171-311-186  
Query Match 81.6%; Score 40; DB 14; Length 603;  
Best Local Similarity 66.7%; Pred. No. 96;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLGKPPPE 9  
Db 244 LLVGKPPPE 252  
RESULT 31  
US-10-188-832-110  
; Sequence 110, Application US/10188832  
; Publication No. US20040076955A1  
; GENERAL INFORMATION:  
; APPLICANT: Mack, David H.  
; APPLICANT: Aziz, Natasha  
; TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions  
; TITLE OF INVENTION: and Methods of Screening for Modulators of Bladder  
; FILE REFERENCE: 018501-002330US  
; CURRENT APPLICATION NUMBER: US/10/188,832  
; CURRENT FILING DATE: 2002-11-22  
; PRIOR APPLICATION NUMBER: US 60/302,814  
; PRIOR FILING DATE: 2001-07-03  
; PRIOR APPLICATION NUMBER: US 60/310,099  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/343,705  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: US 60/350,666  
; PRIOR FILING DATE: 2001-11-13  
; PRIOR APPLICATION NUMBER: US 60/372,246  
; PRIOR FILING DATE: 2002-04-12  
; NUMBER OF SEQ ID NOS: 207  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 110  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-188-832-110  
Query Match 81.6%; Score 40; DB 16; Length 603;  
Best Local Similarity 66.7%; Pred. No. 96;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLGKPPPE 9  
Db 244 LLVGKPPPE 252  
RESULT 32  
US-10-408-765A-2279

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; Sequence 2279, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2279
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-2279

Query Match      81.6%; Score 40; DB 16; Length 603;
Best Local Similarity 66.7%; Pred. No. 96;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 244 LLVGKPPPE 252

RESULT 33
US-10-425-114-37525
; Sequence 37525, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingtong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37525
; LENGTH: 629
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-067-D3_FLI.pep
; US-10-425-114-37525

Query Match      81.6%; Score 40; DB 12; Length 629;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 270 LLVGKPPPE 278

RESULT 34
US-10-153-919-12
; Sequence 12, Application US/10153919
; Publication No. US20030166219A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; US-10-153-919-12

; Sequence 2279, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2279
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-2279

Query Match      81.6%; Score 40; DB 16; Length 603;
Best Local Similarity 66.7%; Pred. No. 96;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 244 LLVGKPPPE 252

RESULT 33
US-10-425-114-37525
; Sequence 37525, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingtong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37525
; LENGTH: 629
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-067-D3_FLI.pep
; US-10-425-114-37525

Query Match      81.6%; Score 40; DB 12; Length 629;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 270 LLVGKPPPE 278

RESULT 34
US-10-153-919-12
; Sequence 12, Application US/10153919
; Publication No. US20030166219A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; US-10-153-919-12

; Sequence 22, Application US/10153919
; Publication No. US20030166219A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000653DIV
; CURRENT APPLICATION NUMBER: US/10/153,919
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/209,585
; PRIOR FILING DATE: 2000-06-06
; PRIOR APPLICATION NUMBER: 09/739,455
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Leishmania mexicana
; US-10-153-919-22

Query Match      79.6%; Score 39; DB 14; Length 303;
Best Local Similarity 88.9%; Pred. No. 73;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 207 MLLGRPLPE 215

RESULT 35
US-10-153-919-22
; Sequence 22, Application US/10153919
; Publication No. US20030166219A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000653DIV
; CURRENT APPLICATION NUMBER: US/10/153,919
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/209,585
; PRIOR FILING DATE: 2000-06-06
; PRIOR APPLICATION NUMBER: 09/739,455
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Leishmania mexicana
; US-10-153-919-22

Query Match      79.6%; Score 39; DB 14; Length 303;
Best Local Similarity 88.9%; Pred. No. 73;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9
Db 207 MLLGRPLPE 215

RESULT 36
US-09-736-076-58
; Sequence 58, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; US-09-736-076-58
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MYRISTATE
; LOCATION: (1)...(8)
; NAME/KEY: AMIDATION
; LOCATION: (0)...(8)
; OTHER INFORMATION: SNK
US-09-736-076-58

Query Match      77.6%; Score 38; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPP 7
Db 2 MLLGRPP 8

RESULT 37
US-09-838-837A-32
; Sequence 32, Application US/09898837A
; Publication No. US20030077697A1
; GENERAL INFORMATION:
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Majumder, Kumud
; APPLICANT: Vernet, Corine
; APPLICANT: Hermann, John L.
; APPLICANT: Burgess, Catherine
; APPLICANT: Fernandes, Elma
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Rastelli, Luca
; APPLICANT: Carugen Corporation
; APPLICANT: Gerlach, Valerie L
; APPLICANT: MacDougall, John R.
; TITLE OF INVENTION: NOVEL SERINE/THREONINE PROTEIN-KINASE LIKE PROTEINS AND
; FILE REFERENCE: 15966-598 CIP
; CURRENT FILING DATE: 2001-07-03
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/165,986
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,839
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/195,637
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/197,080
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/232,677
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/181,347
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,195
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/215,906
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 09/715,427
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-898-837A-32

Query Match      77.6%; Score 38; DB 10; Length 256;
Best Local Similarity 55.6%; Pred. No. 93;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MYRISTATE
; LOCATION: (1)...(8)
; NAME/KEY: AMIDATION
; LOCATION: (0)...(8)
; OTHER INFORMATION: SNK
US-09-736-076-58

Query Match      77.6%; Score 38; DB 15; Length 329;
Best Local Similarity 75.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGRPPPE 9
Db 244 LVGKPPPE 251

RESULT 38
US-10-369-493-5056
; Sequence 5056, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5056
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-5056

Query Match      77.6%; Score 38; DB 15; Length 329;
Best Local Similarity 75.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGRPPPE 9
Db 244 LVGKPPPE 251

RESULT 39
US-09-012-135A-3
; Sequence 3, Application US/09012135A
; Patent No. US20020081578A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/012,135A
; FILING DATE: January 22, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/005,268
; FILING DATE: January 9, 1998
; APPLICATION NUMBER: 08/755,728
; FILING DATE: No. US20020081578A1ember 25, 1996
; APPLICATION NUMBER: 60/023,943
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; FILING DATE: August 14, 1996  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 231/282  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 344 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; US-09-012-135A-3

Query Match 77.6%; Score 38; DB 9; Length 344;  
Best Local Similarity 66.7%; Pred. No. 1.2e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9  
; : : : :  
Db 266 LLVGNPPPE 274

## RESULT 40

US-10-060-065-13  
; Sequence 13, Application US/10060065  
; Publication No. US20030017480A1  
; GENERAL INFORMATION:  
; APPLICANT: Toshio Ota  
; APPLICANT: Takao Isogai  
; APPLICANT: Tetsuo Nishikawa  
; APPLICANT: Koji Hayashi  
; APPLICANT: Kaoru Otsuka  
; APPLICANT: Jun-Ichi Yamamoto  
; APPLICANT: Shizuko Ishii  
; APPLICANT: Tomoyasu Sugiyama  
; APPLICANT: Ai Wakamatsu  
; APPLICANT: Keiichi Nagai  
; APPLICANT: Tetsuji Otsuki  
; APPLICANT: Shin-Ichi Funahashi  
; APPLICANT: Chiaki Senoo  
; APPLICANT: Jun-Ichi Nezu  
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE  
; FILE REFERENCE: 06501-099002  
; CURRENT APPLICATION NUMBER: US/10/060,065  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP00/05061  
; PRIOR FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: US 60/159,590  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: US 60/183,322  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: JP 11-248036  
; PRIOR FILING DATE: 1999-07-29  
; PRIOR APPLICATION NUMBER: JP 2000-118776  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-183767  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: JP 2000-241899  
; PRIOR FILING DATE: 2000-06-09  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 13  
; LENGTH: 344  
; TYPE: PRT

; ORGANISM: Homo sapiens  
US-10-060-065-13

Query Match 77.6%; Score 38; DB 12; Length 344;  
Best Local Similarity 66.7%; Pred. No. 1.2e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPPE 9  
; : : : :  
Db 266 LLVGNPPPE 274

Search completed: June 9, 2004, 11:22:05  
Job time : 37.1957 secs



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OM protein - protein search, using sw model

Run on: June 9, 2004, 10:56:30 ; Search time 10.9565 seconds  
(without alignments)  
37.695 Million cell updates/sec

Title: US-09-736-076-16  
Perfect score: 44  
Sequence: 1 MLLGKPPF 8

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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3: /cgn2\_6/ptodata/2/iaa/6A COMB.pdp.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pdp.\*  
5: /cgn2\_6/ptodata/2/iaa/PTUS COMB.pdp.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pdp.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	100.0	8	US-08-861-338-16	Sequence 16, Appl
2	44	100.0	9	US-08-861-338-17	Sequence 17, Appl
3	41	93.2	11	US-08-861-338-15	Sequence 15, Appl
4	41	93.2	11	US-08-861-338-19	Sequence 19, Appl
5	41	93.2	272	US-08-252-995D-12	Sequence 12, Appl
6	41	93.2	272	US-08-834-108-12	Sequence 12, Appl
7	41	93.2	685	US-08-878-989-1	Sequence 1, Appl
8	41	93.2	685	US-09-136-282-2	Sequence 2, Appl
9	41	93.2	685	US-09-272-796-1	Sequence 1, Appl
10	41	93.2	685	US-09-505-744-2	Sequence 2, Appl
11	39	88.6	275	US-08-252-995D-13	Sequence 13, Appl
12	39	88.6	275	US-08-834-108-13	Sequence 13, Appl
13	38	86.4	20	US-08-861-338-6	Sequence 6, Appl
14	38	86.4	272	US-08-252-995D-14	Sequence 14, Appl
15	38	86.4	272	US-08-834-108-14	Sequence 14, Appl
16	38	86.4	603	US-09-198-122-2	Sequence 2, Appl
17	38	86.4	603	US-09-311-311C-26	Sequence 26, Appl
18	37	84.1	264	US-07-857-224B-17	Sequence 17, Appl
19	37	84.1	499	US-09-509-902A-12	Sequence 12, Appl
20	37	84.1	588	US-09-509-902A-16	Sequence 16, Appl
21	37	84.1	668	US-09-134-001C-4816	Sequence 16, Appl
22	37	84.1	962	US-09-442-100-6	Sequence 6, Appl
23	37	84.1	962	US-08-939-106-6	Sequence 6, Appl
24	37	84.1	962	US-09-442-102-6	Sequence 6, Appl
25	37	84.1	980	US-09-442-100-8	Sequence 8, Appl
26	37	84.1	980	US-08-939-106-8	Sequence 8, Appl
27	37	84.1	980	US-09-442-102-8	Sequence 8, Appl

28	37	84.1	1088	4	US-09-233-857-4	Sequence 4, Appl
29	37	84.1	1088	4	US-09-233-857-13	Sequence 13, Appl
30	37	84.1	1099	4	US-09-442-100-2	Sequence 2, Appl
31	37	84.1	1099	4	US-08-939-106-2	Sequence 2, Appl
32	37	84.1	1099	4	US-09-442-102-2	Sequence 2, Appl
33	37	84.1	1130	4	US-09-442-100-4	Sequence 4, Appl
34	37	84.1	1130	4	US-09-233-857-3	Sequence 3, Appl
35	37	84.1	1130	4	US-08-939-106-4	Sequence 4, Appl
36	37	84.1	1130	4	US-09-442-102-4	Sequence 4, Appl
37	36	81.8	273	1	US-08-252-995D-10	Sequence 10, Appl
38	36	81.8	273	2	US-08-834-108-10	Sequence 10, Appl
39	36	81.8	403	2	US-08-755-728-4	Sequence 4, Appl
40	36	81.8	403	2	US-08-974-655-4	Sequence 4, Appl
41	36	81.8	403	3	US-09-283-011-4	Sequence 4, Appl
42	36	81.8	416	1	US-08-252-995D-2	Sequence 2, Appl
43	36	81.8	416	2	US-08-834-108-2	Sequence 2, Appl
44	36	81.8	464	1	US-08-252-995D-6	Sequence 6, Appl
45	36	81.8	464	2	US-08-834-108-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1  
US-08-861-338-16  
; Sequence 16, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Millitia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David B.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURES:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "Phenylalanine-NH2"  
; US-08-861-338-16

Query Match 100.0%; Score 44; DB 3; Length 8;

Best Local Similarity 100.0%; Pred. No. 3e+05; Indels 0; Gaps 0;  
Matches 8; Conservative 0; Mismatches 0;  
Qy 1 MLLGKPPF 8  
Db 1 MLLGKPPF 8

RESULT 2  
US-08-861-338-17  
; Sequence 17, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 17:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of  
; Glutamine Acid-NH2"  
US-08-861-338-17

Query Match 100.0%; Score 44; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MLLGKPPF 8  
Db 1 MLLGKPPF 8

RESULT 3  
US-08-861-338-15  
; Sequence 15, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.

; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of  
; Glutamic Acid-NH2"  
US-08-861-338-15

Query Match 93.2%; Score 41; DB 3; Length 9;  
Best Local Similarity 87.5%; Pred. No. 3e+05;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MLLGKPPF 8  
Db 1 MLLGKPPF 8

RESULT 4  
US-08-861-338-19  
; Sequence 19, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/861,338  
FILING DATE: 21-MAY-1997  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Brook, David E.  
REGISTRATION NUMBER: 22,592  
REFERENCE/DOCKET NUMBER: CMCC-590  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781) 861-6240  
TELEFAX: (781) 861-9540  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "N-Acetyl Methionine"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 11  
OTHER INFORMATION: /note= "Serine-NH2"  
US-08-861-338-19

Query Match 93.2%; Score 41; DB 3; Length 11;  
Best Local Similarity 87.5%; Pred. No. 0.14;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
|||:|  
Db 1 MLLGRPPF 8

RESULT 5  
US-08-252-995D-12  
Sequence 12, Application US/08252995D  
Patent No. 5650501  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Hefferman, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 272 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Mus musculus  
US-08-252-995D-12

Query Match 93.2%; Score 41; DB 1; Length 272;  
Best Local Similarity 87.5%; Pred. No. 3.4;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
|||:|  
Db 199 MLLGRPPF 206

RESULT 6  
US-08-834-108-12  
Sequence 12, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Hefferman, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 272 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Mus musculus  
US-08-834-108-12

Query Match 93.2%; Score 41; DB 2; Length 272;  
Best Local Similarity 87.5%; Pred. No. 3.4;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
|||:|  
Db 199 MLLGRPPF 206

## RESULT 7

US-08-878-989-1

; Sequence 1, Application US/08878989

; Patent No. 5885803

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Corley, Neil C.

; APPLICANT: Guegler, Karl G.

; APPLICANT: Lal, Preeti

; APPLICANT: Goli, Surya K.

; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/878,989

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J J

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0321 US

; TELEPHONE: 415-855-0555

; TELEFAX: 415-845-4166

; TELEX:

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 685 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: HUENOB01

; CLONE: 39043

; US-08-878-989-1

Query Match 93.2%; Score 41; DB 2; Length 685;

Best Local Similarity 87.5%; Pred. No. 8.4;

Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY

1 MLLGKPPF 8

| | | | |

Db 273 MLLGRPPF 280

## RESULT 8

US-09-136-282-2

; Sequence 2, Application US/09136282

; Patent No. 6063609

; GENERAL INFORMATION:

; APPLICANT: ANDERSON, KAREN

; APPLICANT: JACKSON, JEFFREY

; APPLICANT: HANSBURY, MICHAEL

; APPLICANT: NERURKAR, SANDHYA

; APPLICANT: ROSHAK, AMY

; APPLICANT: BOUZYK, MARK

; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Ratner &amp; Prestia

; STREET: P.O. Box 980

; CITY: Valley Forge

; STATE: PA

; COUNTRY: USA

; ZIP: 19482

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/136,282

; FILING DATE: 20-AUG-1998

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/056,112

; FILING DATE: 20-AUG-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Prestia, Paul F

; REGISTRATION NUMBER: 23,031

; REFERENCE/DOCKET NUMBER: GH-70231

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 610-407-0700

; TELEFAX: 610-407-0700

; TELEX: 846169

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 685 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-09-136-282-2

Query Match 93.2%; Score 41; DB 3; Length 685;

Best Local Similarity 87.5%; Pred. No. 8.4;

Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY

1 MLLGKPPF 8

| | | | |

Db 273 MLLGRPPF 280

## RESULT 9

US-09-272-796-1

; Sequence 1, Application US/09272796

; Patent No. 6207148

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Corley, Neil C.

; APPLICANT: Guegler, Karl G.

; APPLICANT: Lal, Preeti

; APPLICANT: Goli, Surya K.

; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: Fast-SEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/272,796  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/878,989  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HUVEHOB01  
CLONE: 39043  
US-09-272-796-1

Query Match 93.2%; Score 41; DB 3; Length 685;  
Best Local Similarity 87.5%; Pred. No. 8.4;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
|:|:|:|:|  
Db 273 MLLGRPPF 280

RESULT 10  
US-09-505-744-2  
Sequence 2, Application US/09505744  
Patent No. 6245544  
GENERAL INFORMATION:  
APPLICANT: Karen M. Anderson  
APPLICANT: Mark M. Bouzyk  
APPLICANT: Michael J. Harsbury  
APPLICANT: Jeffrey R. Jackson  
APPLICANT: Sandhya S. Neturkar  
APPLICANT: Amy K. Roshak  
TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
FILE REFERENCE: GH-70231-D1  
CURRENT APPLICATION NUMBER: US/09/505,744  
CURRENT FILING DATE: 2000-02-16  
EARLIER APPLICATION NUMBER: 09/136,282  
EARLIER FILING DATE: 1998-08-20  
EARLIER APPLICATION NUMBER: 60/056,112  
EARLIER FILING DATE: 1997-08-20  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: Fast-SEQ for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 685  
TYPE: PRT  
ORGANISM: HOMO SAPIENS  
US-09-505-744-2

Query Match 93.2%; Score 41; DB 3; Length 685;  
Best Local Similarity 87.5%; Pred. No. 8.4;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
|:|:|:|:|  
Db 273 MLLGRPPF 280

RESULT 11  
US-08-252-995D-13  
Sequence 13, Application US/08252995D  
Patent No. 5650501  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdvydk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 275 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Saccharomyces cerevisiae  
US-08-252-995D-13

Query Match 88.6%; Score 39; DB 1; Length 275;  
Best Local Similarity 75.0%; Pred. No. 8;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
|:|:|:|:|  
Db 200 LLIGKPPF 207

RESULT 12  
US-08-834-108-13  
Sequence 13, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 275 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE: Saccharomyces cerevisiae  
US-08-834-108-13

Query Match 88.6%; Score 39; DB 2; Length 275;  
Best Local Similarity 75.0%; Pred. No. 8;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
:|||||  
Db 200 LLIGKPPF 207

RESULT 13  
US-08-861-338-6  
Sequence 6, Application US/08861338  
Patent No. 6174993  
GENERAL INFORMATION:  
APPLICANT: Ben-Sasson, Shmuel A.  
TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
STREET: Two Militia Drive  
CITY: Lexington  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02173  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/861,338  
FILING DATE: 21-MAY-1997  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Brook, David E.  
REGISTRATION NUMBER: 22,592  
REFERENCE/DOCKET NUMBER: CMCC-590  
TELEPHONE: (781) 861-6240  
TELEFAX: (781) 861-9540  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: peptide

US-08-861-338-6

Query Match 86.4%; Score 38; DB 3; Length 20;  
Best Local Similarity 75.0%; Pred. No. 0.9;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
:|||||  
Db 3 LLVGKPPF 10

RESULT 14  
US-08-252-995D-14  
Sequence 14, Application US/08252995D  
Patent No. 5650501  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 272 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE: Mus musculus  
ORGANISM: Mus musculus  
US-08-252-995D-14

Query Match 86.4%; Score 38; DB 1; Length 272;  
Best Local Similarity 75.0%; Pred. No. 12;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
:|||||  
Db 199 LLVGKPPF 206

RESULT 15  
US-08-834-108-14  
Sequence 14, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

```
;
;
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
;
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
;
; US-08-834-108-14
;
;
; Query Match 86.4%; Score 38; DB 2; Length 272;
; Best Local Similarity 75.0%; Pred. No. 12;
; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MLLGKPPF 8
; Db 199 LLVGKPPF 206
;
;
; RESULT 16
; US-09-198-122-2
; Sequence 2, Application US/09198122
; Patent No. 6180380
;
; GENERAL INFORMATION:
; APPLICANT: Streibhardt, Klaus; Rubsamen-Waigmann, Helga;
; APPLICANT: Holtrich, Uwe
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
; TITLE OF INVENTION: THREONINE-KINASE FAMILY
; NUMBER OF SEQUENCES: 7
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591-5144
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
; MEDIUM TYPE: storage
; COMPUTER: NEC Powermate SX-20
; OPERATING SYSTEM: DOS
; SOFTWARE: Wordperfect 5.1
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/198,122
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US/08/601,014
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;
; FILING DATE: 23-FEB-1996
; APPLICATION NUMBER: PCT/EP94/02863
; FILING DATE: 30-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 4329177
; FILING DATE: 30-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurt G. Briscoe
; REGISTRATION NUMBER: 33,141
; REFERENCE/DOCKET NUMBER: Bayer 9516-RGB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 332-1700
; TELEFAX: (914) 332-1844
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 603 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
;
; US-09-198-122-2
;
; Query Match 86.4%; Score 38; DB 3; Length 603;
; Best Local Similarity 75.0%; Pred. No. 27;
; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MLLGKPPF 8
; Db 244 LLVGKPPF 251
;
;
; RESULT 17
; US-09-311-311C-26
; Sequence 26, Application US/09311311C
; Patent No. 6358738
; GENERAL INFORMATION:
; APPLICANT: Erikson, et al.
; TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
; TITLE OF INVENTION: METHODS, AND USES THEREFOR
; FILE REFERENCE: 1874/117
; CURRENT APPLICATION NUMBER: US/09/311,311C
; CURRENT FILING DATE: 1999-05-13
; PRIOR APPLICATION NUMBER: US 60/085,296
; PRIOR FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)...(603)
; OTHER INFORMATION: Plk protein
;
; US-09-311-311C-26
;
; Query Match 86.4%; Score 38; DB 4; Length 603;
; Best Local Similarity 75.0%; Pred. No. 27;
; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MLLGKPPF 8
; Db 244 LLVGKPPF 251
;
;
; RESULT 18
; US-07-857-224B-17
; Sequence 17, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
; APPLICANT: Benner, Steven A.
; TITLE OF INVENTION: Predicting Folded Structures of Proteins
; NUMBER OF SEQUENCES: 114
```

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Steven A. Benner  
;; STREET: Hadlaubstrasse 151  
;; CITY: Zurich  
;; STATE: none  
;; COUNTRY: Switzerland  
;; ZIP: (note: this is an international post code) CH-8092  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage  
;; COMPUTER: Apple Macintosh  
;; OPERATING SYSTEM: Macintosh 7.0  
;; SOFTWARE: Microsoft Word  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/07/857,224B  
;; FILING DATE: 03/25/92  
;; CLASSIFICATION: 436  
;; PRIOR APPLICATION DATA: none  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (International) 41 1 632 2830  
;; TELEFAX: (International) 41 1 262 2437  
;; TELEX: none  
;; INFORMATION FOR SEQ ID NO: 17:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 264  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; DESCRIPTION: protein  
;; ORIGINAL SOURCE:  
;; ORGANISM: Drosophila melanogaster  
;; FEATURE: Protein kinase; Table 8 Column 18  
;; PUBLICATION INFORMATION:  
;; AUTHORS:  
;; AUTHORS: Hanks, S. K.  
;; AUTHORS: Quinn, A. M.  
;; AUTHORS: Hunter, T.  
;; TITLE: The protein kinase family  
;; JOURNAL: Science  
;; VOLUME: 241  
;; PAGES: 42-52  
;; DATE: 1988  
;; US-07-857-224B-17

Query Match 84.1%; Score 37; DB 2; Length 264;  
Best Local Similarity 75.0%; Pred. No. 18;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
||:||||  
Db 195 MLVGQPPF 202

RESULT 19  
US-09-509-902A-12  
; Sequence 12, Application US/09509902A  
; Patent No. 6387676  
; GENERAL INFORMATION:  
; APPLICANT: Virca, Duke  
; APPLICANT: Bird, Timothy A.  
; APPLICANT: Anderson, Dirk M.  
; APPLICANT: Marken, John S.  
; TITLE OF INVENTION: Human cDNAs Encoding Polypeptides Having Kinase Functions  
; FILE REFERENCE: 2877-US  
; CURRENT APPLICATION NUMBER: US/09/509,902A  
; CURRENT FILING DATE: 1999-08-03  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 499  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-509-902A-12

Query Match 84.1%; Score 37; DB 4; Length 499;  
Best Local Similarity 75.0%; Pred. No. 34;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
||:||||  
Db 407 MLVGQPPF 414

RESULT 20  
US-09-509-902A-16  
; Sequence 16, Application US/09509902A  
; Patent No. 6387676  
; GENERAL INFORMATION:  
; APPLICANT: Virca, Duke  
; APPLICANT: Bird, Timothy A.  
; APPLICANT: Anderson, Dirk M.  
; APPLICANT: Marken, John S.  
; TITLE OF INVENTION: Human cDNAs Encoding Polypeptides Having Kinase Functions  
; FILE REFERENCE: 2877-US  
; CURRENT APPLICATION NUMBER: US/09/509,902A  
; CURRENT FILING DATE: 1999-08-03  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 16  
; LENGTH: 588  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-509-902A-16

Query Match 84.1%; Score 37; DB 4; Length 588;  
Best Local Similarity 75.0%; Pred. No. 40;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
||:||||  
Db 406 MLVGQPPF 413

RESULT 21  
US-09-134-001C-4816  
; Sequence 4816, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC-007  
; CURRENT APPLICATION NUMBER: US/09/134,001C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 5674  
; SEQ ID NO 4816  
; LENGTH: 668  
; TYPE: PRT  
; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-4816

Query Match 84.1%; Score 37; DB 4; Length 668;  
Best Local Similarity 75.0%; Pred. No. 46;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
||:||||  
Db 203 MLVGQPPF 210

RESULT 22  
US-09-442-100-6  
; Sequence 6, Application US/09442100



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; Patent No. 6359193
; GENERAL INFORMATION:
; APPLICANT: Xu, Tian
; APPLICANT: Tao, Wufan
; APPLICANT: Wang, Weiyl
; APPLICANT: Zhang, Sheng
; APPLICANT: Yu, Wan
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS
; TITLE OF INVENTION: GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/442,100
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,111
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 962 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-09-442-100-6

Query Match      84.1%; Score 37; DB 4; Length 962;
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MLLGKPPF 8
Db      775 MLVGQPPF 782

RESULT 23
US-08-939-106-6
; Sequence 6, Application US/08939106
; Patent No. 6559285
; GENERAL INFORMATION:
; APPLICANT: Yale University
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS
; TITLE OF INVENTION: GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
```

```
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/939,106
; FILING DATE: 26-No. 6559285-1997
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-007-228
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 962 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-08-939-106-6

Query Match      84.1%; Score 37; DB 4; Length 962;
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MLLGKPPF 8
Db      775 MLVGQPPF 782

RESULT 24
US-09-442-102-6
; Sequence 6, Application US/09442102
; Patent No. 6630613
; GENERAL INFORMATION:
; APPLICANT: Xu, Tian
; APPLICANT: Tao, Wufan
; APPLICANT: Wang, Weiyl
; APPLICANT: Zhang, Sheng
; APPLICANT: Yu, Wan
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS
; TITLE OF INVENTION: GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/442,102
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,111
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
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SEQUENCE CHARACTERISTICS:  
 LENGTH: 962 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 US-09-442-102-6

Query Match 84.1%; Score 37; DB 4; Length 962;  
 Best Local Similarity 75.0%; Pred. No. 66;  
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MLLGKPPF 8  
 Db 775 MLVGQPPF 782

RESULT 25  
 US-09-442-100-8  
 ; Sequence 8, Application US/09442100  
 ; Patent No. 6359193  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Tian  
 ; APPLICANT: Tao, Wufan  
 ; APPLICANT: Wang, Weiyl  
 ; APPLICANT: Zhang, Sheng  
 ; APPLICANT: Yu, Wan  
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS  
 ; TITLE OF INVENTION: GENES AND METHODS BASED THEREON  
 ; NUMBER OF SEQUENCES: 16  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/442,100  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/411,111  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mistrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 6523-003  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 869-9741/8864  
 ; TELEFAX: (212) 869-9741/8864  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 980 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: protein  
 ; US-09-442-100-8

Query Match 84.1%; Score 37; DB 4; Length 980;  
 Best Local Similarity 75.0%; Pred. No. 67;  
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MLLGKPPF 8  
 Db 802 MLVGQPPF 809

RESULT 26  
 US-08-939-106-8  
 ; Sequence 8, Application US/08939106  
 ; Patent No. 6559285  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yale University  
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS  
 ; TITLE OF INVENTION: GENES AND METHODS BASED THEREON  
 ; NUMBER OF SEQUENCES: 16  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/939,106  
 ; FILING DATE: 26-No. 6559285-1997  
 ; CLASSIFICATION: <Unknown>  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mistrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 6523-007-228  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 869-9741/8864  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 980 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 US-08-939-106-8

Query Match 84.1%; Score 37; DB 4; Length 980;  
 Best Local Similarity 75.0%; Pred. No. 67;  
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MLLGKPPF 8  
 Db 802 MLVGQPPF 809

RESULT 27  
 US-09-442-102-8  
 ; Sequence 8, Application US/09442102  
 ; Patent No. 6630613  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Tian  
 ; APPLICANT: Tao, Wufan  
 ; APPLICANT: Wang, Weiyl  
 ; APPLICANT: Zhang, Sheng  
 ; APPLICANT: Yu, Wan  
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS  
 ; TITLE OF INVENTION: GENES AND METHODS BASED THEREON  
 ; NUMBER OF SEQUENCES: 16  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk

Query Match 84.1%; Score 37; DB 4; Length 980;  
 Best Local Similarity 75.0%; Pred. No. 67;  
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
 Db 802 MLVGQPPF 809

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/442,102
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,111
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 980 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-09-442-102-8
```

```
Query Match      84.1%; Score 37; DB 4; Length 980;
Best Local Similarity 75.0%; Pred. No. 67;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 MLLGKPPF 8
Db      802 MLVGQPPF 809
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RESULT 28
US-09-233-857-4
; Sequence 4, Application US/09233857
; Patent No. 6495353
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Flanagan, Peter
; TITLE OF INVENTION: HUMAN ORTHOLOGUES OF WART
; FILE REFERENCE: 239/251
; CURRENT APPLICATION NUMBER: US/09/233,857
; CURRENT FILING DATE: 1999-01-20
; EARLIER APPLICATION NUMBER: USSN 60/072,023
; EARLIER FILING DATE: 1998-01-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1088
; TYPE: PRT
; ORGANISM: HUMAN
; US-09-233-857-4
```

```
Query Match      84.1%; Score 37; DB 4; Length 1088;
Best Local Similarity 75.0%; Pred. No. 74;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 MLLGKPPF 8
Db      906 MLVGQPPF 913
```

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RESULT 29
US-09-233-857-13
; Sequence 13, Application US/09233857
; Patent No. 6495353
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Flanagan, Peter
; TITLE OF INVENTION: HUMAN ORTHOLOGUES OF WART
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; FILE REFERENCE: 239/251
; CURRENT APPLICATION NUMBER: US/09/233,857
; CURRENT FILING DATE: 1999-01-20
; EARLIER APPLICATION NUMBER: USSN 60/072,023
; EARLIER FILING DATE: 1998-01-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 1088
; TYPE: PRT
; ORGANISM: HUMAN
; US-09-233-857-13
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```
Query Match      84.1%; Score 37; DB 4; Length 1088;
Best Local Similarity 75.0%; Pred. No. 74;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 MLLGKPPF 8
Db      951 MLVGQPPF 958
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```
RESULT 30
US-09-442-100-2
; Sequence 2, Application US/09442100
; Patent No. 6359193
; GENERAL INFORMATION:
; APPLICANT: Xu, Tian
; APPLICANT: Tao, Wufan
; APPLICANT: Wang, WeiYi
; APPLICANT: Zhang, Sheng
; APPLICANT: Yu, Wan
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS
; TITLE OF INVENTION: GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/442,100
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,111
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1099 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-09-442-100-2
```

```
Query Match      84.1%; Score 37; DB 4; Length 1099;
Best Local Similarity 75.0%; Pred. No. 75;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 MLGKPPF 8  
||:|:|  
Db 948 MLVGQPPF 955

## RESULT 31

US-08-939-106-2  
; Sequence 2, Application US/08939106  
; Patent No. 6559285  
; GENERAL INFORMATION:  
; APPLICANT: Yale University  
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS  
; GENES AND METHODS BASED THEREON  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/939,106  
; FILING DATE: 26-No. 6559285-1997  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Misrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 6523-007-228  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1099 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-08-939-106-2

Query Match 84.1%; Score 37; DB 4; Length 1099;  
Best Local Similarity 75.0%; Pred. No. 75;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPF 8  
||:|:|  
Db 948 MLVGQPPF 955

## RESULT 32

US-09-442-102-2  
; Sequence 2, Application US/09442102  
; Patent No. 6630613  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Tian  
; APPLICANT: Tao, Wufan  
; APPLICANT: Wang, Weiyl  
; APPLICANT: Zhang, Sheng  
; APPLICANT: Yu, Wan  
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS  
; GENES AND METHODS BASED THEREON  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas

; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/442,102  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; PRIOR APPLICATION NUMBER: 08/411,111  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Misrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 6523-003  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1099 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; US-09-442-102-2

Query Match 84.1%; Score 37; DB 4; Length 1099;  
Best Local Similarity 75.0%; Pred. No. 75;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPF 8  
||:|:|  
Db 948 MLVGQPPF 955

## RESULT 33

US-09-442-100-4  
; Sequence 4, Application US/09442100  
; Patent No. 6359193  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Tian  
; APPLICANT: Tao, Wufan  
; APPLICANT: Wang, Weiyl  
; APPLICANT: Zhang, Sheng  
; APPLICANT: Yu, Wan  
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS  
; GENES AND METHODS BASED THEREON  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/442,100  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; PRIOR APPLICATION NUMBER: 08/411,111  
; FILING DATE:

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1130 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-09-442-100-4

Query Match      84.1%; Score 37; DB 4; Length 1130;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MLLGKPPF 8
Db      943 MLVGQPPF 950

RESULT 34
US-09-233-857-3
; Sequence 3, Application US/09233857
; Patent No. 6495353
; GENERAL INFORMATION:
; APPLICANT: Flanagan, Gregory
; APPLICANT: Flanagan, Peter
; TITLE OF INVENTION: HUMAN ORTHOLOGUES OF WART
; FILE REFERENCE: 239/251
; CURRENT APPLICATION NUMBER: US/09/233,857
; CURRENT FILING DATE: 1999-01-20
; EARLIER APPLICATION NUMBER: USSN 60/072,023
; EARLIER FILING DATE: 1998-01-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 1130
; TYPE: PRT
; ORGANISM: HUMAN
; US-09-233-857-3

Query Match      84.1%; Score 37; DB 4; Length 1130;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MLLGKPPF 8
Db      943 MLVGQPPF 950

RESULT 35
US-08-939-106-4
; Sequence 4, Application US/08939106
; Patent No. 6559285
; GENERAL INFORMATION:
; APPLICANT: Yale University
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS
; GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; US-08-939-106-4
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/939,106
; FILING DATE: 26-No. 6559285-1997
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-007-228
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1130 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
; US-08-939-106-4

Query Match      84.1%; Score 37; DB 4; Length 1130;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MLLGKPPF 8
Db      943 MLVGQPPF 950

RESULT 36
US-09-442-102-4
; Sequence 4, Application US/09442102
; Patent No. 6630613
; GENERAL INFORMATION:
; APPLICANT: Xu, Tian
; APPLICANT: Tao, Wufan
; APPLICANT: Wang, Weiyl
; APPLICANT: Zhang, Sheng
; APPLICANT: Yu, Wan
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/442,102
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,111
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; US-09-442-102-4
```

; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1130 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
US-09-442-102-4

Query Match 84.1%; Score 37; DB 4; Length 1130;  
Best Local Similarity 75.0%; Pred. No. 77;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
||:|:|  
Db 943 MLVGQPPF 950

RESULT 37  
US-08-252-995D-10  
; Sequence 10, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 273 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
US-08-252-995D-10

Query Match 81.8%; Score 36; DB 1; Length 273;  
Best Local Similarity 62.5%; Pred. No. 29;  
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
||:|:|  
Db 200 LLIGRPPF 207

RESULT 38  
US-08-834-108-10  
; Sequence 10, Application US/08834108

; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 273 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
US-08-834-108-10

Query Match 81.8%; Score 36; DB 2; Length 273;  
Best Local Similarity 62.5%; Pred. No. 29;  
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
||:|:|  
Db 200 LLIGRPPF 207

RESULT 39  
US-08-755-728-4  
; Sequence 4, Application US/08755728  
; Patent No. 5982312  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0

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; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755-728
; FILING DATE: No. 5962312ember 25, 1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-755-728-4
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Query Match 81.8%; Score 36; DB 2; Length 403;  
Best Local Similarity 85.7%; Pred. No. 42;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 LLGKPPF 8
Db      323 LVGKPPF 329
```

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RESULT 40
US-08-974-655-4
; Sequence 4, Application US/08974655
; Patent No. 5972676
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,655
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/755,728
; FILING DATE: No. 5972676ember 25, 1996
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-974-655-4
```

Query Match 81.8%; Score 36; DB 2; Length 403;  
Best Local Similarity 85.7%; Pred. No. 42;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 LLGKPPF 8
Db      323 LVGKPPF 329
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Search completed: June 9, 2004, 11:03:06  
Job time : 10.9565 secs

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OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 32.1739 Seconds  
(without alignments)  
69.954 Million cell updates/sec

Title: US-09-736-076-16  
Perfect score: 44  
Sequence: 1 MLLGKPPF 8

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 281338677 residues  
Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	100.0	8	US-09-736-076-16	Sequence 16, Appl
2	44	100.0	9	US-09-736-076-17	Sequence 17, Appl
3	41	93.2	9	US-09-736-076-15	Sequence 15, Appl
4	41	93.2	10	US-09-736-076-57	Sequence 57, Appl
5	41	93.2	11	US-09-736-076-19	Sequence 19, Appl
6	41	93.2	400	US-10-026-021-5	Sequence 5, Appl
7	41	93.2	469	US-10-059-585-14	Sequence 14, Appl
8	41	93.2	685	US-09-771-161A-249	Sequence 249, App
9	41	93.2	685	US-09-771-161A-250	Sequence 250, App
10	41	93.2	685	US-09-771-161A-251	Sequence 251, App
11	41	93.2	685	US-09-769-970-1	Sequence 1, Appl
12	41	93.2	685	US-10-260-708-69	Sequence 69, Appl
13	41	93.2	685	US-10-024-299A-101	Sequence 101, App
14	41	93.2	685	US-10-042-211A-101	Sequence 101, App
15	41	93.2	685	US-10-617-217A-101	Sequence 101, App

16	41	93.2	753	15	US-10-264-049-3124	Sequence 3124, Ap
17	39	88.6	40	9	US-09-842-582-9	Sequence 9, Appli
18	39	88.6	122	9	US-09-515-806-24	Sequence 24, Appl
19	39	88.6	129	15	US-10-410-764-107	Sequence 107, App
20	39	88.6	183	14	US-10-172-088-12	Sequence 12, Appl
21	39	88.6	188	12	US-10-424-599-251506	Sequence 251506, A
22	39	88.6	193	12	US-10-425-114-71587	Sequence 71587, A
23	39	88.6	256	10	US-09-898-837A-32	Sequence 32, Appl
24	39	88.6	257	12	US-10-425-114-54987	Sequence 54987, A
25	39	88.6	325	12	US-10-425-114-63451	Sequence 63451, A
26	39	88.6	345	12	US-10-425-114-52224	Sequence 52224, A
27	39	88.6	371	15	US-10-369-493-6753	Sequence 6753, Ap
28	39	88.6	479	12	US-10-424-599-280612	Sequence 280612, A
29	39	88.6	495	12	US-10-425-114-58916	Sequence 58916, A
30	39	88.6	628	15	US-10-369-493-22776	Sequence 22776, A
31	39	88.6	683	15	US-10-369-493-2188	Sequence 2188, Ap
32	39	88.6	705	15	US-10-369-493-1864	Sequence 1864, Ap
33	38	86.4	8	9	US-09-736-076-55	Sequence 55, Appl
34	38	86.4	20	9	US-09-736-076-6	Sequence 6, Appli
35	38	86.4	329	9	US-09-925-300-1268	Sequence 1268, Ap
36	38	86.4	367	14	US-10-026-021-6	Sequence 6, Appli
37	38	86.4	419	9	US-09-893-737-106	Sequence 106, App
38	38	86.4	516	9	US-09-771-161A-123	Sequence 123, App
39	38	86.4	525	15	US-10-369-493-1433	Sequence 1433, Ap
40	38	86.4	528	14	US-10-032-585-7571	Sequence 7571, Ap
41	38	86.4	603	9	US-09-771-161A-214	Sequence 214, App
42	38	86.4	603	12	US-10-406-901-2	Sequence 2, Appli
43	38	86.4	603	14	US-10-171-311-186	Sequence 186, App
44	38	86.4	603	16	US-10-188-832-110	Sequence 110, App
45	38	86.4	603	16	US-10-408-765A-2279	Sequence 2279, Ap

ALIGNMENTS

RESULT 1  
US-09-736-076-16  
; Sequence 16, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLTATION  
; LOCATION: (1)...(8)  
; NAME/KEY: AMIDATION  
; LOCATION: (8)...(8)  
; OTHER INFORMATION: J43  
US-09-736-076-16

Query Match 100.0%; Score 44; DB 9; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1e+06;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
Db 1 MLLGKPPF 8

RESULT 2  
US-09-736-076-17

; Sequence 17, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J43.1  
US-09-736-076-17

Query Match 100.0%; Score 44; DB 9; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1e+06; Indels 0; Gaps 0;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
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Db 1 MLLGKPPF 8

RESULT 3  
US-09-736-076-15  
; Sequence 15, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J42  
US-09-736-076-15

Query Match 93.2%; Score 41; DB 9; Length 9;  
Best Local Similarity 87.5%; Pred. No. 1e+06; Indels 0; Gaps 0;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
|||:||||  
Db 1 MLLGKPPF 8

RESULT 4

US-09-736-076-57  
; Sequence 57, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 57  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: MYRISTATE  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 10 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(10)  
; OTHER INFORMATION: SNK  
US-09-736-076-57

Query Match 93.2%; Score 41; DB 9; Length 10;  
Best Local Similarity 87.5%; Pred. No. 0.88; Indels 0; Gaps 0;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
|||:||||  
Db 2 MLLGKPPF 9

RESULT 5  
US-09-736-076-19  
; Sequence 19, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(11)  
; OTHER INFORMATION: J46  
US-09-736-076-19

Query Match 93.2%; Score 41; DB 9; Length 11;  
Best Local Similarity 87.5%; Pred. No. 0.96; Indels 0; Gaps 0;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
|||:||||  
Db 1 MLLGKPPF 8

RESULT 6  
US-10-026-021-5  
; Sequence 5, Application US/10026021  
; Publication No. US20030027756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoehi, Yasumichi  
; APPLICANT: Demo, Susan  
; APPLICANT: Jenkins, Yonchu  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; TITLE OF INVENTION: Treatment of Cancer  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: US 60/309,632  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 400  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (1)..(400)  
; OTHER INFORMATION: human SNK mitotic kinase domain  
US-10-026-021-5

Query Match 93.2%; Score 41; DB 14; Length 400;  
Best Local Similarity 87.5%; Pred. No. 34;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
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Db 273 MLLGRPPF 280

RESULT 7  
US-10-059-585-14  
; Sequence 14, Application US/10059585  
; Publication No. US20030082776A1  
; GENERAL INFORMATION:  
; APPLICANT: Ota, Toshio  
; APPLICANT: Isogai, Takao  
; APPLICANT: Nishikawa, Tetsuo  
; APPLICANT: Hayaashi, Koji  
; APPLICANT: Otsuka, Kaoru  
; APPLICANT: Yamamoto, Jun-ichi  
; APPLICANT: Ishii, Shizuko  
; APPLICANT: Sugiyama, Tomoyasu  
; APPLICANT: Wakamatsu, Ai  
; APPLICANT: Nagai, Keiichi  
; APPLICANT: Otsuki, Tetsuji  
; APPLICANT: Funahashi, Shin-Ichi  
; APPLICANT: Senoo, Chiaki  
; APPLICANT: Nezu, Jun-Ichi  
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN  
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE  
; FILE REFERENCE: 06501-098001  
; CURRENT APPLICATION NUMBER: US/10/059,585  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP00/05060  
; PRIOR FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: US 60/183,322  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: US 60/159,590  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: JP 2000-118776  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-183767  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: JP 11-248036  
; PRIOR FILING DATE: 1999-07-29

; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14  
; LENGTH: 469  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-059-585-14

Query Match 93.2%; Score 41; DB 14; Length 469;  
Best Local Similarity 87.5%; Pred. No. 40;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
| | | | |  
Db 57 MLLGRPPF 64

RESULT 8  
US-09-771-161A-249  
; Sequence 249, Application US/09771161A  
; Patent No. US20020110811A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVINE, et al.  
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
; FILE REFERENCE: 802620-2005.1  
; CURRENT APPLICATION NUMBER: US/09/771,161A  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 09/724,676  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 136776  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 135619  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 249  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-249

Query Match 93.2%; Score 41; DB 9; Length 685;  
Best Local Similarity 87.5%; Pred. No. 58;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
| | | | |  
Db 273 MLLGRPPF 280

RESULT 9  
US-09-771-161A-250  
; Sequence 250, Application US/09771161A  
; Patent No. US20020110811A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVINE, et al.  
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
; FILE REFERENCE: 802620-2005.1  
; CURRENT APPLICATION NUMBER: US/09/771,161A  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 09/724,676  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 136776  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 135619  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 250  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-250

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/769,970  
FILING DATE: 24-Jan-2001

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; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/259,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0089912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-024-298A-101
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Query Match      93.2%; Score 41; DB 14; Length 685;
Best Local Similarity 87.5%; Pred. No. 58;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 MLLGKPPF 8
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Db      273 MLLGRPPF 280
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## RESULT 14

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US-10-042-211A-101
; Sequence 101, Application US/10042211A
; Publication No. US2003017019A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NFkB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-042-211A-101
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Query Match      93.2%; Score 41; DB 14; Length 685;
Best Local Similarity 87.5%; Pred. No. 58;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 MLLGKPPF 8
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Db      273 MLLGRPPF 280
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## RESULT 15

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US-10-617-217A-101
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; Sequence 101, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NF-kB ACTIVATING GENE
; FILE REFERENCE: 1254-0229P
; CURRENT APPLICATION NUMBER: US/10/617,217A
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-617-217A-101
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Query Match      93.2%; Score 41; DB 16; Length 685;
Best Local Similarity 87.5%; Pred. No. 58;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 MLLGKPPF 8
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Db      273 MLLGRPPF 280
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## RESULT 16

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US-10-264-049-3124
; Sequence 3124, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 3124
; LENGTH: 753
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (33)_
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-3124
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Query Match      93.2%; Score 41; DB 15; Length 753;
Best Local Similarity 87.5%; Pred. No. 63;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 MLLGKPPF 8
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Db      341 MLLGRPPF 348
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## RESULT 17

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US-09-842-582-9
; Sequence 9, Application US/09842582
; Patent No. US20020155570A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel
; TITLE OF INVENTION: 2246, NOVEL PROTEIN KINASE MOLECULES AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 38155-20054.00
; CURRENT APPLICATION NUMBER: US/09/842,582
; CURRENT FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: US 60/199,391
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus amino acid
US-09-842-582-9
Query Match 88.6%; Score 39; DB 9; Length 40;
Best Local Similarity 87.5%; Pred. No. 7.8;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
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Db 33 MLTGKPPF 40

RESULT 18
US-09-515-806-24
; Sequence 24, Application US/09515806
; Patent No. US20020132321A1
; GENERAL INFORMATION:
; APPLICANT: COOK, WILLIAM J.
; APPLICANT: KAPPELLER-LIBERMAN, ROSANA
; TITLE OF INVENTION: 14790, NOVEL PROTEIN KINASE MOLECULE AND USES THEREFOR
; FILE REFERENCE: 38155-20002.00
; CURRENT APPLICATION NUMBER: US/09/515,806
; CURRENT FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: Kinase sequence
US-09-515-806-24
Query Match 88.6%; Score 39; DB 9; Length 122;
Best Local Similarity 87.5%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
|| |||||
Db 30 MLTGKPPF 37

RESULT 19
US-10-410-764-107
; Sequence 107, Application US/10410764
; Publication No. US20040005664A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Curtis, Rory A.J.
; APPLICANT: Rudolph-Owen, Laura A.
; APPLICANT: Weich, Nadine S.
; APPLICANT: Olandt, Peter J.
; APPLICANT: Tsai, Fong-Ying
; APPLICANT: Kappeller-Libermann, Rosana
; APPLICANT: Carroll, Joseph M.
; TITLE OF INVENTION: 26199, 33530, 33949, 47148, 50226,
; TITLE OF INVENTION: 58764, 62113, 32144, 32235, 23585, 13305, 14911, 86216,
; TITLE OF INVENTION: 25206 AND 8843 MOLECULES AND USES THEREFOR
; FILE REFERENCE: MPI03-0520MMIN
; CURRENT APPLICATION NUMBER: US/10/410,764
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: US 09/924,358
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/229,300
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 10/350,553
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: US 60/351,572
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 09/966,614
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/238,054
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 10/281,094
; PRIOR FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: US 60/347,815
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US 10/076,535
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/269,440
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Kinase/protein transferase ATP-binding
; OTHER INFORMATION: serine/threonine-protein phosphorylation receptor
; OTHER INFORMATION: tyrosine-protein precursor transmembrane
US-10-410-764-107
Query Match 88.6%; Score 39; DB 15; Length 129;
Best Local Similarity 87.5%; Pred. No. 25;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
|| |||||
Db 42 MLTGKPPF 49

RESULT 20
US-10-172-088-12
; Sequence 12, Application US/10172088
; Publication No. US20030008370A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel
; TITLE OF INVENTION: 13295 NOVEL PROTEIN KINASE MOLECULES AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 38155-20010.01
; CURRENT APPLICATION NUMBER: US/10/172,088
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US/09/596,071
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 60/199,391
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 183
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```
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Consensus amino acid sequence
US-10-172-088-12

Query Match      88.6%; Score 39; DB 14; Length 183;
Best Local Similarity 87.5%; Pred. No. 35;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 176 MLTGKPPF 183

RESULT 21
US-10-424-599-251506
; Sequence 251506, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 251506
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_69137C.1.pep
US-10-424-599-251506

Query Match      88.6%; Score 39; DB 12; Length 188;
Best Local Similarity 87.5%; Pred. No. 36;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 56 MLTGKPPF 63

RESULT 22
US-10-425-114-71587
; Sequence 71587, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71587
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17156C09_FLI.pep
US-10-425-114-71587

Query Match      88.6%; Score 39; DB 12; Length 193;
```

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Best Local Similarity 87.5%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 54 MLTGKPPF 61

RESULT 23
US-09-898-837A-32
; Sequence 32, Application US/09898837A
; Publication No. US20030077697A1
; GENERAL INFORMATION:
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Spyce, Kimberly A.
; APPLICANT: Majumder, Kumud
; APPLICANT: Vernet, Corine
; APPLICANT: Hermann, John L.
; APPLICANT: Burgess, Catherine
; APPLICANT: Fernandes, Elma
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Rastelli, Luca
; APPLICANT: Curagen Corporation
; APPLICANT: Gerlach, Valerie L
; APPLICANT: MacDougall, John R
; TITLE OF INVENTION: NOVEL SERINE/THREONINE PROTEIN-KINASE LIKE PROTEINS AND
; FILE REFERENCE: 15966-598 CIP
; CURRENT APPLICATION NUMBER: US/09/898,837A
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/165,986
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,839
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/195,637
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/197,080
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/232,677
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/181,347
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,195
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/215,906
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 09/715,427
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-898-837A-32

Query Match      88.6%; Score 39; DB 10; Length 256;
Best Local Similarity 75.0%; Pred. No. 49;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 193 LLIGKPPF 200

RESULT 24
US-10-425-114-54987
; Sequence 54987, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
```

```
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQUENCE: 38-21(53313)B
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-GMROPIC065C11_FLI.pbp
US-10-425-114-54987

Query Match      88.6%; Score 39; DB 12; Length 257;
Best Local Similarity 87.5%; Pred. No. 49;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
DB      118 MLTGKPPF 125

RESULT 25
US-10-425-114-63451
; Sequence 63451, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQUENCE: 38-21(53313)B
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73151H11_FLI.pbp
US-10-425-114-63451

Query Match      88.6%; Score 39; DB 12; Length 325;
Best Local Similarity 87.5%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
DB      186 MLTGKPPF 193

RESULT 26
US-10-425-114-52224
; Sequence 52224, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
```

```
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQUENCE: 38-21(53313)B
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700867050_FLI.pbp
US-10-425-114-52224

Query Match      88.6%; Score 39; DB 12; Length 345;
Best Local Similarity 87.5%; Pred. No. 66;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
DB      206 MLTGKPPF 213

RESULT 27
US-10-369-493-6753
; Sequence 6753, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQUENCE: 38-10(52052)B
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-6753

Query Match      88.6%; Score 39; DB 15; Length 371;
Best Local Similarity 75.0%; Pred. No. 71;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
DB      251 MLTGKPPF 258

RESULT 28
US-10-424-599-280612
; Sequence 280612, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Cao Yongwei
; APPLICANT: Zhou Yihua
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQUENCE: 38-21(53223)B
; TYPE: PRT
; ORGANISM: Glycine max
```



```
;
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_95415C.1.pep
US-10-424-599-280612

Query Match      88.6%; Score 39; DB 12; Length 479;
Best Local Similarity 87.5%; Pred. No. 91;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 340 MLTGKPPF 347

RESULT 29
US-10-425-114-58916
; Sequence 58916, Application US/10425114
; Publication No. US20040034889A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 58916
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700348928_FLI.pep
US-10-425-114-58916

Query Match      88.6%; Score 39; DB 12; Length 495;
Best Local Similarity 87.5%; Pred. No. 94;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 351 MLTGKPPF 358

RESULT 30
US-10-369-493-22776
; Sequence 22776, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 22776
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(628)
; OTHER INFORMATION: unsure at all Xaa locations

;
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_95415C.1.pep
US-10-424-599-280612

Query Match      88.6%; Score 39; DB 12; Length 479;
Best Local Similarity 87.5%; Pred. No. 91;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 340 MLTGKPPF 347

RESULT 29
US-10-425-114-58916
; Sequence 58916, Application US/10425114
; Publication No. US20040034889A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 58916
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700348928_FLI.pep
US-10-425-114-58916

Query Match      88.6%; Score 39; DB 12; Length 495;
Best Local Similarity 87.5%; Pred. No. 94;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 351 MLTGKPPF 358

RESULT 30
US-10-369-493-22776
; Sequence 22776, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 22776
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(628)
; OTHER INFORMATION: unsure at all Xaa locations

;
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_95415C.1.pep
US-10-424-599-280612

Query Match      88.6%; Score 39; DB 15; Length 628;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 341 MLGKPPF 348

RESULT 31
US-10-369-493-2188
; Sequence 2188, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 2188
; LENGTH: 683
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
; FEATURE:
; OTHER INFORMATION: Clone ID: 700348928_FLI.pep
US-10-369-493-2188

Query Match      88.6%; Score 39; DB 15; Length 683;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 233 LLIGKPPF 240

RESULT 32
US-10-369-493-1864
; Sequence 1864, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1864
; LENGTH: 705
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; FEATURE:
; OTHER INFORMATION: Clone ID: 700348928_FLI.pep
US-10-369-493-1864

Query Match      88.6%; Score 39; DB 15; Length 705;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
```

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Db      274 MLLGKPPF 281
;|:|||||
US-09-736-076-55
RESULT 33
; Sequence 55, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 55
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(8)
; NAME/KEY: AMIDATION
; LOCATION: (0)...(8)
; OTHER INFORMATION: Plk
US-09-736-076-55
Query Match      86.4%; Score 38; DB 9; Length 8;
Best Local Similarity 75.0%; Pred. No. 1e+06;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY      1 MLLGKPPF 8
;|:|||||
Db      1 LLVGKPPF 8
US-09-736-076-6
RESULT 34
; Sequence 6, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: POLO
US-09-736-076-6
Query Match      86.4%; Score 38; DB 9; Length 20;
Best Local Similarity 75.0%; Pred. No. 5.9;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY      1 MLLGKPPF 8
;|:|||||
Db      3 LLVGKPPF 10
RESULT 35
US-09-925-300-1268
; Sequence 1268, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1268
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (59)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (307)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (308)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (314)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (317)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (323)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (327)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (328)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (329)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1268
Query Match      86.4%; Score 38; DB 9; Length 329;
Best Local Similarity 75.0%; Pred. No. 95;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY      1 MLLGKPPF 8
;|:|||||
Db      260 LLVGKPPF 267
US-10-026-021-6
RESULT 36
; Sequence 6, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
```

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; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(367)
; OTHER INFORMATION: human PLK1 mitotic kinase domain
US-10-026-021-6

Query Match      86.4%; Score 38; DB 14; Length 367;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
Db      244 LLVGKPPF 251

RESULT 37
US-09-893-737-106
; Sequence 106, Application US/09893737
; Patent No. US20020110855A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Presnell, Scott R.
; TITLE OF INVENTION: MAMMALIAN SECRETED PROTEINS
; FILE REFERENCE: 00-41
; CURRENT APPLICATION NUMBER: US/09/893,737
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: US 60/215,446
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 329
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 106
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-893-737-106

Query Match      86.4%; Score 38; DB 9; Length 419;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPP 7
Db      170 MLLGKPP 176

RESULT 38
US-09-771-161A-123
; Sequence 123, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273

; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 123
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-123

Query Match      86.4%; Score 38; DB 9; Length 516;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
Db      157 LLVGKPPF 164

RESULT 39
US-10-369-493-1433
; Sequence 1433, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1433
; LENGTH: 525
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-369-493-1433

Query Match      86.4%; Score 38; DB 15; Length 525;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPF 8
Db      355 MLVGKPPY 362

RESULT 40
US-10-032-585-7571
; Sequence 7571, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7571
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Candida albicans
US-10-032-585-7571

Query Match      86.4%; Score 38; DB 14; Length 528;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MLGKPPF 8  
:|:||||  
Db 454 LLVGKPPF 461

Search completed: June 9, 2004, 11:22:06  
Job time : 33.1739 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 9, 2004, 10:56:30 ; Search time 12.3261 Seconds  
(without alignments)  
37.695 Million cell updates/sec

Title: US-09-736-076-17  
Perfect score: 49  
Sequence: 1 MLLGKPPFE 9

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*

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- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PTCUS\_COMB.pep.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	49	100.0	9	3	US-08-861-338-17
2	46	93.9	9	3	US-08-861-338-15
3	46	93.9	11	3	US-08-861-338-19
4	46	93.9	272	2	US-08-252-995D-12
5	46	93.9	272	2	US-08-834-108-12
6	46	93.9	685	2	US-08-878-989-1
7	46	93.9	685	3	US-08-136-282-2
8	46	93.9	685	3	US-09-272-796-1
9	46	93.9	685	3	US-09-505-744-2
10	44	89.8	8	3	US-08-861-338-16
11	43	87.8	20	3	US-08-861-338-6
12	43	87.8	272	1	US-08-252-995D-14
13	43	87.8	272	2	US-08-834-108-14
14	43	87.8	603	3	US-09-198-122-2
15	43	87.8	603	4	US-09-311-311C-26
16	41	83.7	275	1	US-08-252-995D-13
17	41	83.7	275	2	US-08-834-108-13
18	41	83.7	403	2	US-08-755-728-4
19	41	83.7	403	3	US-08-974-655-4
20	41	83.7	403	3	US-09-283-011-4
21	39	79.6	264	2	US-07-857-224B-17
22	39	79.6	271	1	US-08-252-995D-11
23	39	79.6	271	2	US-08-834-108-11
24	38	77.6	273	1	US-08-252-995D-10
25	38	77.6	273	2	US-08-834-108-10
26	38	77.6	344	2	US-08-755-728-3
27	38	77.6	344	2	US-08-974-655-3

28 38 77.6 344 3 US-09-283-011-3 Sequence 3, Appli  
29 38 77.6 347 2 US-09-016-000-1 Sequence 1, Appli  
30 38 77.6 416 1 US-08-252-995D-2 Sequence 2, Appli  
31 38 77.6 416 2 US-08-834-108-2 Sequence 2, Appli  
32 38 77.6 464 1 US-08-252-995D-6 Sequence 6, Appli  
33 38 77.6 464 2 US-08-834-108-6 Sequence 6, Appli  
34 38 77.6 737 4 US-09-772-647-4 Sequence 4, Appli  
35 38 77.6 925 1 US-08-252-995D-4 Sequence 4, Appli  
36 38 77.6 925 2 US-08-834-108-4 Sequence 4, Appli  
37 38 77.6 1037 4 US-09-428-711A-21 Sequence 21, Appli  
38 37 75.5 9 3 US-08-861-338-18 Sequence 18, Appli  
39 37 75.5 20 3 US-08-861-338-3 Sequence 3, Appli  
40 37 75.5 264 2 US-07-857-224B-10 Sequence 10, Appli  
41 37 75.5 264 2 US-07-857-224B-15 Sequence 15, Appli  
42 37 75.5 269 2 US-07-857-224B-14 Sequence 14, Appli  
43 37 75.5 269 2 US-07-857-224B-16 Sequence 16, Appli  
44 37 75.5 499 4 US-09-509-902A-12 Sequence 12, Appli  
45 37 75.5 588 4 US-09-509-902A-16 Sequence 16, Appli

#### ALIGNMENTS

RESULT 1  
US-08-861-338-17  
; Sequence 17, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E. 22,592  
; REGISTRATION NUMBER: CMCC-590  
; REFERENCE/DOCKET NUMBER: 781  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 17:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of  
; OTHER INFORMATION: Glutamine Acid-NH2"  
US-08-861-338-17

Query Match 100.0%; Score 49; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9  
Db 1 MLLGKPPFE 9

## RESULT 2

US-08-861-338-15  
; Sequence 15, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of  
; Glutamic Acid-NH2"  
US-08-861-338-15

Query Match 93.9%; Score 46; DB 3; Length 9;  
Best Local Similarity 88.9%; Pred. No. 3e+05;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9  
Db 1 MLLGKPPFE 9

## RESULT 3

US-08-861-338-19  
; Sequence 19, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:

; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 11  
; OTHER INFORMATION: /note= "Serine-NH2"  
US-08-861-338-19

Query Match 93.9%; Score 46; DB 3; Length 11;  
Best Local Similarity 88.9%; Pred. No. 0.015;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9  
Db 1 MLLGKPPFE 9

## RESULT 4

US-08-252-995D-12  
; Sequence 12, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada

ZIP: MSH 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 272 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Mus musculus  
US-08-252-995D-12

Query Match 93.9%; Score 46; DB 1; Length 272;  
Best Local Similarity 88.9%; Pred. No. 0.42;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9  
Db 199 MLLGRPPFE 207

RESULT 5  
US-08-834-108-12  
Sequence 12, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: MSH 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 272 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Mus musculus  
US-08-834-108-12

Query Match 93.9%; Score 46; DB 2; Length 272;  
Best Local Similarity 88.9%; Pred. No. 0.42;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9  
Db 199 MLLGRPPFE 207

RESULT 6  
US-08-878-989-1  
Sequence 1, Application US/08878989  
Patent No. 5885803  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Corley, Neil C.  
APPLICANT: Guegler, Karl G.  
APPLICANT: Lal, Preeti  
APPLICANT: Goli, Surya K.  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
TITLE OF INVENTION: KINASES  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/878,989  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HUVENOB01  
CLONE: 39043  
US-08-878-989-1

Query Match 93.9%; Score 46; DB 2; Length 685;  
Best Local Similarity 88.9%; Pred. No. 1.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Wed Jun 9 12:53:05 2004

us-09-736-076-17.ra1

QY 1 MLLGKPPPE 9  
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 Db 273 MLLGRPPPE 281

RESULT 7  
 US-09-136-282-2  
 ; Sequence 2, Application US/09136282  
 ; Patent No. 6063609  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ANDERSON, KAREN  
 ; APPLICANT: JACKSON, JEFFREY  
 ; APPLICANT: HANSBURY, MICHAEL  
 ; APPLICANT: NERURKAR, SANDHYA  
 ; APPLICANT: ROSHAK, AMY  
 ; APPLICANT: BOUZYK, MARK  
 ; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Ratner & Prestia  
 ; STREET: P.O. Box 980  
 ; CITY: Valley Forge  
 ; STATE: PA  
 ; COUNTRY: USA  
 ; ZIP: 19482  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/136,282  
 ; FILING DATE: 20-AUG-1998  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 60/056,112  
 ; FILING DATE: 20-AUG-1997  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Prestia, Paul F  
 ; REGISTRATION NUMBER: 23,031  
 ; REFERENCE/DOCKET NUMBER: GH-70231  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 610-407-0700  
 ; TELEFAX: 610-407-0700  
 ; TELEX: 846189  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 685 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-09-136-282-2

Query Match 93.9%; Score 46; DB 3; Length 685;  
 Best Local Similarity 88.9%; Pred. No. 1.1;  
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPPE 9  
 ||||:||||  
 Db 273 MLLGRPPPE 281

RESULT 8  
 US-09-272-796-1  
 ; Sequence 1, Application US/09272796  
 ; Patent No. 6207148  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bandman, Olga  
 ; APPLICANT: Hillman, Jennifer L.  
 ; APPLICANT: Corley, Neil C.  
 ; APPLICANT: Guegler, Karl G.

APPLICANT: Lal, Preeti  
 APPLICANT: Goli, Surya K.  
 APPLICANT: Shah, Purvi  
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
 TITLE OF INVENTION: KINASES  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSeq for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/272,796  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/878,989  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J J  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0321 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 TELEX:

INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 685 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: HUVENOB01  
 CLONE: 39043  
 US-09-272-796-1

Query Match 93.9%; Score 46; DB 3; Length 685;  
 Best Local Similarity 88.9%; Pred. No. 1.1;  
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPPE 9  
 ||||:||||  
 Db 273 MLLGRPPPE 281

RESULT 9  
 US-09-505-744-2  
 ; Sequence 2, Application US/09505744  
 ; Patent No. 6245544  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Karen M. Anderson  
 ; APPLICANT: Mark M. Bouzyk  
 ; APPLICANT: Michael J. Hanebury  
 ; APPLICANT: Jeffrey R. Jackson  
 ; APPLICANT: Sandhya S. Nerurkar  
 ; APPLICANT: Amy K. Roshak  
 ; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
 ; FILE REFERENCE: GH-70231-D1  
 ; CURRENT APPLICATION NUMBER: US/09/505,744  
 ; CURRENT FILING DATE: 2000-02-16  
 ; EARLIER APPLICATION NUMBER: 09/136,282  
 ; EARLIER FILING DATE: 1998-08-20  
 ; EARLIER APPLICATION NUMBER: 60/056,112  
 ; EARLIER FILING DATE: 1997-08-20  
 ; NUMBER OF SEQ ID NOS: 3



; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: HOMO SAPIENS  
US-09-505-744-2

Query Match 93.9%; Score 46; DB 3; Length 685;  
Best Local Similarity 88.9%; Pred. No. 1.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPPE 9  
Db 273 MLLGKPPPE 281

RESULT 10  
US-08-861-338-16  
; Sequence 16, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "Phenylalanine-NH2"  
US-08-861-338-16

Query Match 89.8%; Score 44; DB 3; Length 8;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8  
Db 1 MLLGKPPF 8

RESULT 11  
US-08-861-338-6  
; Sequence 6, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
US-08-861-338-6

Query Match 87.8%; Score 43; DB 3; Length 20;  
Best Local Similarity 77.8%; Pred. No. 0.1;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPPE 9  
Db 3 LLVGKPPFE 11

RESULT 12  
US-08-252-995D-14  
; Sequence 14, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

;; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdvyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 272 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Mus musculus  
; US-08-252-995D-14

Query Match 87.8%; Score 43; DB 1; Length 272;  
Best Local Similarity 77.8%; Pred. No. 1.5;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 199 LLVGKPPFE 207

RESULT 13  
US-08-834-108-14  
; Sequence 14, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdvyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 272 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Mus musculus

US-08-834-108-14

Query Match 87.8%; Score 43; DB 2; Length 272;  
Best Local Similarity 77.8%; Pred. No. 1.5;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 199 LLVGKPPFE 207

RESULT 14  
US-09-198-122-2  
; Sequence 2, Application US/09198122  
; Patent No. 6180380  
; GENERAL INFORMATION:  
; APPLICANT: Strehardt, Klaus; Rubsamen-Waigmann, Helga;  
; APPLICANT: Holtrich, Uwe  
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-  
; TITLE OF INVENTION: THREONINE-KINASE FAMILY  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS  
; STREET: 660 White Plains Road  
; CITY: Tarrytown  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10591-5144  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB  
; MEDIUM TYPE: storage  
; COMPUTER: NEC Powermate SX-20  
; OPERATING SYSTEM: DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/198,122  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/601,014  
; FILING DATE: 23-FEB-1996  
; APPLICATION NUMBER: PCT/EP94/02863  
; FILING DATE: 30-AUG-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE 4329177  
; FILING DATE: 30-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurt G. Briscoe  
; REGISTRATION NUMBER: 33,141  
; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (914) 332-1700  
; TELEFAX: (914) 332-1844  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 603 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: Protein  
; US-09-198-122-2

Query Match 87.8%; Score 43; DB 3; Length 603;  
Best Local Similarity 77.8%; Pred. No. 3.5;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 244 LLVGKPPFE 252

RESULT 15  
US-09-311-311C-26

; Sequence 26, Application US/09311311C  
; Patent No. 6358738  
; GENERAL INFORMATION:  
; APPLICANT: Erikson, et al.  
; TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,  
; TITLE OF INVENTION: METHODS, AND USES THEREFOR  
; FILE REFERENCE: 1874/117  
; CURRENT APPLICATION NUMBER: US/09/311.311C  
; PRIOR FILING DATE: 1999-05-13  
; PRIOR APPLICATION NUMBER: US 60/085,296  
; PRIOR FILING DATE: 1998-05-13  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 26  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (1)...(603)  
; OTHER INFORMATION: Plk protein  
US-09-311-311C-26

Query Match 87.8%; Score 43; DB 4; Length 603;  
Best Local Similarity 77.8%; Pred. No. 3.5;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLIGKPPPE 9  
Db 244 LLVGKPPPE 252

RESULT 16  
US-08-252-995D-13  
; Sequence 13, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 275 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:

; ORGANISM: Saccharomyces cerevisiae  
US-08-252-995D-13

Query Match 83.7%; Score 41; DB 1; Length 275;  
Best Local Similarity 66.7%; Pred. No. 3.7;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLIGKPPPE 9  
Db 200 LLIGKPPFQ 208

RESULT 17  
US-08-834-108-13  
; Sequence 13, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 275 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Saccharomyces cerevisiae  
US-08-834-108-13

Query Match 83.7%; Score 41; DB 2; Length 275;  
Best Local Similarity 66.7%; Pred. No. 3.7;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLIGKPPPE 9  
Db 200 LLIGKPPFQ 208

RESULT 18  
US-08-755-728-4  
; Sequence 4, Application US/08755728  
; Patent No. 5962312  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1

```
;; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
;; NUMBER OF SEQUENCES: 29
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Lyon & Lyon
;; STREET: 633 West Fifth Street
;; CITY: Suite 4700
;; STATE: Los Angeles
;; COUNTRY: California
;; ZIP: 90071-2066
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: FastSEQ for Windows 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/755,728
;; FILING DATE: No. 5962312ember 25, 1996
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 60/008,809
;; FILING DATE: December 18, 1995
;; APPLICATION NUMBER: 60/023,943
;; FILING DATE: August 14, 1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warburg, Richard J.
;; REGISTRATION NUMBER: 32,327
;; REFERENCE/DOCKET NUMBER: 223/113
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 403 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; US-08-755-728-4

Query Match 83.7%; Score 41; DB 2; Length 403;
Best Local Similarity 87.5%; Pred. No. 5.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

RESULT 19
US-08-974-655-4
; Sequence 4, Application US/08974655
; Patent No. 5972676
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: California
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/283,011
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/012,135
```

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;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: FastSEQ for Windows 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/974,655
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/755,728
;; FILING DATE: No. 5972676ember 25, 1996
;; APPLICATION NUMBER: 60/008,809
;; FILING DATE: December 18, 1995
;; APPLICATION NUMBER: 60/023,943
;; FILING DATE: August 14, 1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warburg, Richard J.
;; REGISTRATION NUMBER: 32,327
;; REFERENCE/DOCKET NUMBER: 223/113
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 403 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; US-08-974-655-4

Query Match 83.7%; Score 41; DB 2; Length 403;
Best Local Similarity 87.5%; Pred. No. 5.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

RESULT 20
US-09-283-011-4
; Sequence 4, Application US/09283011
; Patent No. 6207401
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; COUNTRY: California
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/283,011
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/012,135
```

```
/ FILING DATE: January 22, 1998
/ APPLICATION NUMBER: 08/755,728
/ FILING DATE: No. 6207401ember 25, 1996
/ APPLICATION NUMBER: 60/023,943
/ FILING DATE: August 14, 1996
/ APPLICATION NUMBER: 60/008,809
/ FILING DATE: December 18, 1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 231/282
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 403 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-09-283-011-4

Query Match 83.7%; Score 41; DB 3; Length 403;
Best Local Similarity 87.5%; Pred. No. 5.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

RESULT 21
US-07-857-224B-17
; Sequence 17, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
; APPLICANT: Benner, Steven A.
; TITLE OF INVENTION: Predicting Folded Structures of Proteins
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steven A. Benner
; STREET: Hadlaubstrasse 151
; CITY: Zurich
; STATE: none
; COUNTRY: Switzerland
; ZIP: (note: this is an international post code) CH-8092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 7.0
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/857,224B
; FILING DATE: 03/25/92
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA: none
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (International) 41 1 632 2830
; TELEFAX: (International) 41 1 262 2437
; TELEX: none
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 264
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; DESCRIPTION: protein
; ORIGINAL SOURCE:
; ORGANISM: Drosophila melanogaster
```

```
/ FEATURE: Protein kinase; Table 8 Column 18
/ PUBLICATION INFORMATION:
/ AUTHORS: Hanks, S. K.
/ AUTHORS: Quinn, A. M.
/ AUTHORS: Hunter, T.
/ TITLE: The protein kinase family
/ JOURNAL: Science
/ VOLUME: 241
/ PAGES: 42-52
/ DATE: 1988
/ US-07-857-224B-17

Query Match 79.6%; Score 39; DB 2; Length 264;
Best Local Similarity 66.7%; Pred. No. 8.3;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPFE 9
Db 195 MLVGQPPFD 203

RESULT 22
US-08-252-995D-11
; Sequence 11, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdzyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Drosophila melanogaster
; US-08-252-995D-11

Query Match 79.6%; Score 39; DB 1; Length 271;
Best Local Similarity 66.7%; Pred. No. 8.5;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPFE 9
Db 198 LLVGQPPFE 206
```

```
RESULT 23
US-08-834-108-11
; Sequence 11, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 364-7311
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Drosophila melanogaster
;
US-08-834-108-11
Query Match 79.6%; Score 39; DB 2; Length 271;
Best Local Similarity 66.7%; Pred. No. 8.5;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9
; :||:||||
Db 198 LLVGQPPFE 206

RESULT 24
US-08-252-995D-10
; Sequence 10, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 273 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
;
US-08-252-995D-10
Query Match 77.6%; Score 38; DB 1; Length 273;
Best Local Similarity 55.6%; Pred. No. 13;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9
; :||:||||
Db 200 LLIGRPPFD 208

RESULT 25
US-08-834-108-10
; Sequence 10, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 273 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
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; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
US-08-834-108-10

Query Match 77.6%; Score 38; DB 2; Length 273;  
Best Local Similarity 55.6%; Pred. No. 13;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9  
:|:|:|:|:  
Db 200 LLGKPPPD 208

RESULT 26  
US-08-755-728-3  
; Sequence 3, Application US/08755728  
; Patent No. 5962312  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08755,728  
; FILING DATE: No. 5962312ember 25, 1996  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; APPLICATION NUMBER: 60/023,943  
; FILING DATE: August 14, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 223/113  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 344 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-755-728-3

Query Match 77.6%; Score 38; DB 2; Length 344;  
Best Local Similarity 66.7%; Pred. No. 17;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9  
:|:|:|:|:

Db 266 LLVGNPPPE 274

RESULT 27  
US-08-974-655-3  
; Sequence 3, Application US/08974655  
; Patent No. 5972676  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/974,655  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/755,728  
; FILING DATE: No. 5972676ember 25, 1996  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; APPLICATION NUMBER: 60/023,943  
; FILING DATE: August 14, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 223/113  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 344 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-974-655-3

Query Match 77.6%; Score 38; DB 2; Length 344;  
Best Local Similarity 66.7%; Pred. No. 17;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9  
:|:|:|:|:  
Db 266 LLVGNPPPE 274

RESULT 28  
US-09-283-011-3  
; Sequence 3, Application US/09283011  
; Patent No. 6207401  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS

NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSEQ for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/283,011

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/012,135

FILING DATE: January 22, 1998

APPLICATION NUMBER: 08/755,728

FILING DATE: No. 6207401ember 25, 1996

APPLICATION NUMBER: 60/023,943

FILING DATE: August 14, 1996

APPLICATION NUMBER: 60/008,809

FILING DATE: December 18, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 231/282

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 344 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

ANTI-SENSE: NO

US-09-283-011-3

Query Match 77.6%; Score 38; DB 3; Length 344;

Best Local Similarity 66.7%; Pred. No. 17;

Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGKPPFE 9

:|:|||||

Db 266 LLVGNPFE 274

RESULT 29

US-09-016-000-1

Sequence 1, Application US/09016000

Patent No. 5962232

GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.

APPLICANT: Lal, Preeti

APPLICANT: Bandman, Olga

APPLICANT: Akerbloom, Ingrid E.

APPLICANT: Shah, Purvi

APPLICANT: Corley, Neil C.

APPLICANT: Guegler, Karl G.

TITLE OF INVENTION: PROTEIN KINASE MOLECULES

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/016,000

FILING DATE: HEREWITH

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0465 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 347 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: HMC1NOT01

CLONE: 2940

US-09-016-000-1

Query Match 77.6%; Score 38; DB 2; Length 347;

Best Local Similarity 66.7%; Pred. No. 17;

Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGKPPFE 9

:|:|||||

Db 269 LLVGNPFE 277

RESULT 30

US-08-252-995D-2

Sequence 2, Application US/08252995D

Patent No. 5650501

GENERAL INFORMATION:

APPLICANT: Dennis, James W

APPLICANT: Heffernan, Mike

APPLICANT: Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: BERESKIN & PARR

STREET: 40 King Street West

CITY: Toronto

STATE: Ontario

COUNTRY: Canada

ZIP: M5H 3Y2

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/252,995D

FILING DATE: 02-JUN-1994

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:



; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 416 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-252-995D-2

Query Match 77.6%; Score 38; DB 1; Length 416;  
Best Local Similarity 55.6%; Pred. No. 20;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPPE 9  
Db 204 LLIGRPPFD 212

RESULT 31  
US-08-834-108-2  
; Sequence 2, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 416 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-834-108-2

Query Match 77.6%; Score 38; DB 2; Length 416;  
Best Local Similarity 55.6%; Pred. No. 20;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPPE 9  
Db 204 LLIGRPPFD 212

RESULT 32  
US-08-252-995D-6  
; Sequence 6, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 464 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-252-995D-6

Query Match 77.6%; Score 38; DB 1; Length 464;  
Best Local Similarity 55.6%; Pred. No. 23;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPPE 9  
Db 204 LLIGRPPFD 212

RESULT 33  
US-08-834-108-6  
; Sequence 6, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 464 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-834-108-6

Query Match 77.6%; Score 38; DB 2; Length 464;  
Best Local Similarity 55.6%; Pred. No. 23;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 204 LLIGRPPFD 212  
:|:|:|:

RESULT 34  
US-09-772-647-4  
Sequence 4, Application US/09772647  
Patent No. 6521815  
GENERAL INFORMATION:  
APPLICANT: Verma, Ajit K  
APPLICANT: Reddig, Peter J  
APPLICANT: Jansen, Aaron P  
TITLE OF INVENTION: Animal Model System for Squamous Cell Carcinoma  
FILE REFERENCE: 960296.97613  
CURRENT APPLICATION NUMBER: US/09/772,647  
CURRENT FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 4  
LENGTH: 737  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: T7 tag and  
OTHER INFORMATION: mouse protein kinase C epsilon coding sequence  
US-09-772-647-4

Query Match 77.6%; Score 38; DB 4; Length 737;  
Best Local Similarity 66.7%; Pred. No. 37;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 600 MMAGQPPFE 608  
:|:|:|:

RESULT 35  
US-08-252-995D-4  
Sequence 4, Application US/08252995D  
Patent No. 5650501  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto

STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,995D  
FILING DATE: 02-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-96  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 925 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-252-995D-4

Query Match 77.6%; Score 38; DB 1; Length 925;  
Best Local Similarity 55.6%; Pred. No. 47;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 204 LLIGRPPFD 212  
:|:|:|:

RESULT 36  
US-08-834-108-4  
Sequence 4, Application US/08834108  
Patent No. 5976893  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERESKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 925 amino acids  
TYPE: amino acid

```
;
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-834-108-4

Query Match      77.6%; Score 38; DB 2; Length 925;
Best Local Similarity 55.6%; Pred. No. 47;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9
DB 204 LLIGRPPE 212

RESULT 37
US-09-428-711A-21
; Sequence 21, Application US/09428711A
; Patent No. 6358720
; GENERAL INFORMATION:
; APPLICANT: Muramatsu, Masaaki
; APPLICANT: Shirasawa, Takuji
; APPLICANT: Tokumitsu, Hiroshi
; APPLICANT: No. 6358720uchi, Teruhisa
; TITLE OF INVENTION: SERINE/THREONINE PROTEIN KINASE
; FILE REFERENCE: 06501-045001
; CURRENT APPLICATION NUMBER: US/09/428,711A
; CURRENT FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: PCT/JP98/01246
; PRIOR FILING DATE: 1998-03-23
; PRIOR APPLICATION NUMBER: JP 9/124798
; PRIOR FILING DATE: 1997-04-28
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 1037
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-428-711A-21

Query Match      77.6%; Score 38; DB 4; Length 1037;
Best Local Similarity 75.0%; Pred. No. 52;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPPE 9
DB 208 LVGKPPPE 215

RESULT 38
US-08-861-338-18
; Sequence 18, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
```

```
;
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "N-Acetyl Leucine"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: /note= "Serine-NH2"
US-08-861-338-18

Query Match      75.5%; Score 37; DB 3; Length 9;
Best Local Similarity 85.7%; Pred. No. 3e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 LGKPPPE 9
DB 1 LGRPPE 7

RESULT 39
US-08-861-338-3
; Sequence 3, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
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Job time : 12.3261 secs

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; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-861-338-3

Query Match      75.5%; Score 37; DB 3; Length 20;
Best Local Similarity 66.7%; Pred. No. 1.4;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPPE 9
Db 3 MLAGQPPFD 11

RESULT 40
US-07-857-224B-10
; Sequence 10, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
; APPLICANT: Benner, Steven A.
; TITLE OF INVENTION: Predicting Folded Structures of Proteins
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steven A. Benner
; STREET: Hadlaubstrasse 151
; CITY: Zurich
; STATE: none
; COUNTRY: Switzerland
; ZIP: (note: this is an international post code) CH-8092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 7.0
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/857,224B
; FILING DATE: 03/25/92
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA: none
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (international) 41 1 632 2830
; TELEFAX: (international) 41 1 262 2437
; TELEX: none
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 264
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: protein
; ORIGINAL SOURCE:
; ORGANISM: bovine
; FEATURE: Protein kinase; Table 8 Column 11
; PUBLICATION INFORMATION:
; AUTHORS:
; AUTHORS: Hanks, S. K.
; AUTHORS: Quinn, A. M.
; AUTHORS: Hunter, T.
; TITLE: The protein kinase family
; JOURNAL: Science
; VOLUME: 241
; PAGES: 42-52
; DATE: 1988
US-07-857-224B-10

Query Match      75.5%; Score 37; DB 2; Length 264;
Best Local Similarity 66.7%; Pred. No. 20;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPPE 9
Db 195 MLAGQPPFD 203
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 36.1957 Seconds

(without alignments)  
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Title: US-09-736-076-17

Perfect score: 49

Sequence: 1 MLLGKPPPE 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*  
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16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
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18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	46	93.9	9	9	US-09-736-076-15
3	46	93.9	10	9	US-09-736-076-57
4	46	93.9	11	9	US-09-736-076-19
5	46	93.9	400	14	US-10-026-021-5
6	46	93.9	469	14	US-10-059-585-14
7	46	93.9	685	9	US-09-771-161A-249
8	46	93.9	685	9	US-09-771-161A-250
9	46	93.9	685	9	US-09-771-161A-251
10	46	93.9	685	10	US-09-769-970-1
11	46	93.9	685	12	US-10-260-708-69
12	46	93.9	685	14	US-10-024-298A-101
13	46	93.9	685	14	US-10-042-211A-101
14	46	93.9	685	16	US-10-617-217A-101
15	46	93.9	753	15	US-10-264-049-3124

Sequence 16, Appl  
Sequence 6, Appl  
Sequence 1268, Ap  
Sequence 6, Appl  
Sequence 123, App  
Sequence 7571, Ap  
Sequence 214, App  
Sequence 2, Appl  
Sequence 186, App  
Sequence 110, App  
Sequence 2279, Ap  
Sequence 37525, A  
Sequence 32, Appl  
Sequence 5056, Ap  
Sequence 51, Appl  
Sequence 51, Appl  
Sequence 4, Appl  
Sequence 14, Appl  
Sequence 47, Appl  
Sequence 48, Appl  
Sequence 49, Appl  
Sequence 50, Appl  
Sequence 14, Appl  
Sequence 47, Appl  
Sequence 48, Appl  
Sequence 49, Appl  
Sequence 50, Appl  
Sequence 12, Appl  
Sequence 7, Appl  
Sequence 33, Appl

US-09-736-076-16  
US-09-736-076-6  
US-09-925-300-1268  
US-10-026-021-6  
US-09-771-161A-123  
US-10-032-585-7571  
US-09-771-161A-214  
US-10-406-901-2  
US-10-171-311-186  
US-10-188-832-110  
US-10-408-765A-2279  
US-10-425-114-37525  
US-09-898-837A-32  
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US-10-087-684-50  
US-10-218-779-14  
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US-10-218-779-49  
US-10-218-779-50  
US-10-060-065-12  
US-10-026-021-7  
US-10-059-585-33

#### ALIGNMENTS

RESULT 1

US-09-736-076-17

; Sequence 17, Application US/09736076

; Patent No. US20020049301A1

; GENERAL INFORMATION:

; APPLICANT: Ben-Sasson Shmuel A.

; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY

; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES

; FILE REFERENCE: 1242.1015-009

; CURRENT APPLICATION NUMBER: US/09/736,076

; CURRENT FILING DATE: 2000-12-13

; PRIOR APPLICATION NUMBER: US 08/861,338

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 17

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: ACETYLATION

; LOCATION: (1)...(0)

; OTHER INFORMATION: position 9 is benzylester

; NAME/KEY: AMIDATION

; LOCATION: (0)...(9)

; OTHER INFORMATION: J43.1

US-09-736-076-17

Query Match 100.0%; Score 49; DB 9; Length 9;

Best Local Similarity 100.0%; Pred. No. 1e+06;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPPE 9

Db 1 MLLGKPPPE 9

RESULT 2

US-09-736-076-15  
; Sequence 15, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J42  
US-09-736-076-15

Query Match 93.9%; Score 46; DB 9; Length 9;  
Best Local Similarity 88.9%; Pred. No. 1e+06; Indels 0; Gaps 0;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
|||||

Db 1 MLLGRPPFE 9

RESULT 3  
US-09-736-076-57  
; Sequence 57, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 57  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: MYRISTATE  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 10 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(10)  
; OTHER INFORMATION: SNK  
US-09-736-076-57

Query Match 93.9%; Score 46; DB 9; Length 10;  
Best Local Similarity 88.9%; Pred. No. 0.13; Indels 0; Gaps 0;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
|||||

Db 2 MLLGRPPFE 10

RESULT 4  
US-09-736-076-19  
; Sequence 19, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(11)  
; OTHER INFORMATION: J46  
US-09-736-076-19

Query Match 93.9%; Score 46; DB 9; Length 11;  
Best Local Similarity 88.9%; Pred. No. 0.14; Indels 0; Gaps 0;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
|||||

Db 1 MLLGRPPFE 9

RESULT 5  
US-10-026-021-5  
; Sequence 5, Application US/10026021  
; Publication No. US20030027756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoshi, Yasumichi  
; APPLICANT: Demo, Susan  
; APPLICANT: Jenkins, Yonchu  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; TITLE OF INVENTION: Treatment of Cancer  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: US 60/309,632  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 400  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (1)...(400)  
; OTHER INFORMATION: human SNK mitotic kinase kinase domain  
US-10-026-021-5

Query Match 93.9%; Score 46; DB 14; Length 400;  
Best Local Similarity 88.9%; Pred. No. 5.3; Indels 0; Gaps 0;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
|||||

Db 273 MLLGRPPFE 281

```
RESULT 6
US-10-059-585-14
; Sequence 14, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-14

Query Match          93.9%; Score 46; DB 14; Length 469;
Best Local Similarity 88.9%; Pred. No. 6.2;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
Db      57 MLLGRPPFE 65

RESULT 7
US-09-771-161A-249
; Sequence 249, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 249
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-249

Query Match          93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 9.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
Db      273 MLLGRPPFE 281

RESULT 8
US-09-771-161A-250
; Sequence 250, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-250

Query Match          93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 9.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
Db      273 MLLGRPPFE 281

RESULT 9
US-09-771-161A-251
; Sequence 251, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 251
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-251

Query Match          93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 9.1;
```

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us-09-736-076-17.rapb

Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
| | | | |  
Db 273 MLLGKPPFE 281

RESULT 10

US-09-769-970-1  
; Sequence 1, Application US/09769970  
; Publication No. US20030170219A1

GENERAL INFORMATION:

APPLICANT: Bandman, Olga  
Hillman, Jennifer L.  
Corley, Neil C.  
Guegler, Karl G.  
Lal, Preeti  
Goli, Surya K.  
Shah, Purvi

TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSER: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/769,970  
FILING DATE: 24-Jan-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION NUMBER: 09/272,796  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PP-0321 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HUVENOB01  
CLONE: 39043  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-769-970-1

Query Match 93.9%; Score 46; DB 10; Length 685;  
Best Local Similarity 88.9%; Pred. No. 9.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
| | | | |  
Db 273 MLLGKPPFE 281

RESULT 11

US-10-260-708-69  
; Sequence 69, Application US/10260708

Publication No. US20040063101A1  
GENERAL INFORMATION:

APPLICANT: Scanlan, Matthew  
APPLICANT: Lee, Sang-Yull  
APPLICANT: Old, Lloyd  
TITLE OF INVENTION: Human Sarcoma-Associated Antigens  
FILE REFERENCE: L00461/70138  
CURRENT APPLICATION NUMBER: US/10/260,708  
CURRENT FILING DATE: 2002-09-30  
NUMBER OF SEQ ID NOS: 96  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 69  
LENGTH: 685  
TYPE: PRT  
ORGANISM: homo sapiens  
US-10-260-708-69

Query Match 93.9%; Score 46; DB 12; Length 685;  
Best Local Similarity 88.9%; Pred. No. 9.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
| | | | |  
Db 273 MLLGKPPFE 281

RESULT 12

US-10-024-298A-101  
; Sequence 101, Application US/10024298A  
; Publication No. US20030143540A1  
GENERAL INFORMATION:  
APPLICANT: ASAHU KASEI KABUSHIKI KAISHA  
APPLICANT: AKIO MATSUDA  
APPLICANT: GOICHI HONDA  
APPLICANT: SHUJI MURAMATSU  
APPLICANT: YUKIKO NAGANO  
TITLE OF INVENTION: NF-K B Activating Gene  
FILE REFERENCE: 1254-0191P  
CURRENT APPLICATION NUMBER: US/10/024,298A  
CURRENT FILING DATE: 2003-04-08  
PRIORITY APPLICATION NUMBER: 60/314,385  
PRIORITY FILING DATE: 2001-08-24  
PRIORITY APPLICATION NUMBER: 60/278,641  
PRIORITY FILING DATE: 2001-03-26  
PRIORITY APPLICATION NUMBER: 60/258,315  
PRIORITY FILING DATE: 2000-12-28  
PRIORITY APPLICATION NUMBER: JP254018/2001  
PRIORITY FILING DATE: 2001-08-24  
PRIORITY APPLICATION NUMBER: JP0088912/2001  
PRIORITY FILING DATE: 2001-03-26  
PRIORITY APPLICATION NUMBER: JP402288/2000  
PRIORITY FILING DATE: 2000-12-28  
NUMBER OF SEQ ID NOS: 182  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 101  
LENGTH: 685  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-024-298A-101

Query Match 93.9%; Score 46; DB 14; Length 685;  
Best Local Similarity 88.9%; Pred. No. 9.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
| | | | |  
Db 273 MLLGKPPFE 281

RESULT 13

US-10-042-211A-101  
; Sequence 101, Application US/10042211A  
; Publication No. US20030170719A1



GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NFkB Activating Gene  
; FILE REFERENCE: 1254-0192P  
; CURRENT APPLICATION NUMBER: US/10/042,211A  
; CURRENT FILING DATE: 2002-03-11  
; PRIOR APPLICATION NUMBER: JP 2000-402288  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 182  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-042-211A-101

Query Match 93.9%; Score 46; DB 14; Length 685;  
Best Local Similarity 88.9%; Pred. No. 9.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 273 MLLGRPPFE 281  
||||:||||

## RESULT 14

US-10-617-217A-101  
; Sequence 101, Application US/10617217A  
; Publication No. US20040081986A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NF-KB ACTIVATING GENE  
; FILE REFERENCE: 1254-0229P  
; CURRENT APPLICATION NUMBER: US/10/617,217A  
; CURRENT FILING DATE: 2003-07-11  
; PRIOR APPLICATION NUMBER: JP 2000-402288  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 224  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-617-217A-101

Query Match 93.9%; Score 46; DB 16; Length 685;  
Best Local Similarity 88.9%; Pred. No. 9.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 273 MLLGRPPFE 281  
||||:||||

RESULT 15  
US-10-264-049-3124  
; Sequence 3124, Application US/10264049  
; Publication No. US20040005579A1  
; GENERAL INFORMATION:  
; APPLICANT: Birse et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PAL33P1  
; CURRENT APPLICATION NUMBER: US/10/264,049  
; CURRENT FILING DATE: 2002-10-04  
; PRIOR APPLICATION NUMBER: PCT/US01/18569  
; PRIOR FILING DATE: 2001-06-07  
; PRIOR APPLICATION NUMBER: US 60/209,467  
; PRIOR FILING DATE: 2000-06-07  
; NUMBER OF SEQ ID NOS: 4360  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 3124  
; LENGTH: 753  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (33)  
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids  
US-10-264-049-3124

Query Match 93.9%; Score 46; DB 15; Length 753;  
Best Local Similarity 88.9%; Pred. No. 10;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
Db 341 MLLGRPPFE 349  
||||:||||

## RESULT 16

US-09-736-076-16  
; Sequence 16, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(8)  
; OTHER INFORMATION: J43  
US-09-736-076-16

Query Match 89.8%; Score 44; DB 9; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1e+06;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8  
Db 1 MLLGKPPF 8  
||||:||||

## RESULT 17

```
US-09-736-076-6
; Sequence 6, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: POLO
US-09-736-076-6

Query Match      87.8%; Score 43; DB 9; Length 20;
Best Local Similarity 77.8%; Pred. No. 0.89;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9
Db 3 LLVGKPPPE 11

RESULT 18
US-09-925-300-1268
; Sequence 1268, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1268
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (59)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (307)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (308)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (314)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (317)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (323)

US-09-736-076-6

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (327)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (328)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (329)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1268

Query Match      87.8%; Score 43; DB 9; Length 329;
Best Local Similarity 77.8%; Pred. No. 15;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9
Db 260 LLVGKPPPE 268

RESULT 19
US-10-026-021-6
; Sequence 6, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Denkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(367)
; OTHER INFORMATION: human PLK1 mitotic kinase kinase domain
US-10-026-021-6

Query Match      87.8%; Score 43; DB 14; Length 367;
Best Local Similarity 77.8%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGKPPPE 9
Db 244 LLVGKPPPE 252

RESULT 20
US-09-771-161A-123
; Sequence 123, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
```

; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 123  
; LENGTH: 516  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-123

Query Match 87.8%; Score 43; DB 9; Length 516;  
Best Local Similarity 77.8%; Pred. No. 23;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
:|:|||||  
Db 157 LLVGKPPFE 165

RESULT 21  
US-10-032-585-7571  
; Sequence 7571, Application US/10032585  
; Publication No. US20030180953A1  
; GENERAL INFORMATION:  
; APPLICANT: Terry, Roemer D.  
; APPLICANT: Bo, Jiang  
; APPLICANT: Charles, Boone  
; APPLICANT: Howard, Bussey  
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery  
; FILE REFERENCE: 10182-005-999  
; CURRENT APPLICATION NUMBER: US/10/032,585  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 8000  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7571  
; LENGTH: 528  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-10-032-585-7571

Query Match 87.8%; Score 43; DB 14; Length 528;  
Best Local Similarity 77.8%; Pred. No. 24;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
:|:|||||  
Db 454 LLVGKPPFE 462

RESULT 22  
US-09-771-161A-214  
; Sequence 214, Application US/09771161A  
; Patent No. US20020110811A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVINE, et al.  
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
; FILE REFERENCE: 802620-2005.1  
; CURRENT APPLICATION NUMBER: US/09/771,161A  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 09/724,676  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 136776  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 135619  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 214  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-214

Query Match 87.8%; Score 43; DB 9; Length 603;

Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
:|:|||||  
Db 244 LLVGKPPFE 252

RESULT 23  
US-10-406-901-2  
; Sequence 2, Application US/10406901  
; Publication No. US20040033578A1  
; GENERAL INFORMATION:  
; APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;  
; ; Holtrich, Uwe  
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-  
; ; THREONINE-KINASE FAMILY  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS  
; STREET: 660 White Plains Road  
; CITY: Tarrytown  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10591-5144  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB  
; storage  
; COMPUTER: NEC Powermate SX-20  
; OPERATING SYSTEM: DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/406,901  
; FILING DATE: 03-Apr-2003  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/634,443  
; FILING DATE: 08-Aug-2000  
; APPLICATION NUMBER: US/08/601,014  
; FILING DATE: 23-FEB-1996  
; APPLICATION NUMBER: PCT/EP94/02863  
; FILING DATE: 30-AUG-1994  
; APPLICATION NUMBER: DE 4329177  
; FILING DATE: 30-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurt G. Briscoe  
; REGISTRATION NUMBER: 33,141  
; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (914) 332-1700  
; TELEFAX: (914) 332-1844  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 603 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: Protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-406-901-2

Query Match 87.8%; Score 43; DB 12; Length 603;  
Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9  
:|:|||||  
Db 244 LLVGKPPFE 252

RESULT 24  
US-10-171-311-186  
; Sequence 186, Application US/10171311

```

; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yan
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Glatt, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoersh, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-171-311-186

Query Match      87.8%; Score 43; DB 14; Length 603;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
       :|:|||||
Db      244 LLVGKPPFE 252

RESULT 25
US-10-188-832-110
; Sequence 110, Application US/10188832
; Publication No. US20040076955A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David H.
; APPLICANT: Aziz, Natasha
; TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions
; TITLE OF INVENTION: and Methods of Screening for Modulators of Bladder
; TITLE OF INVENTION: Cancer
; FILE REFERENCE: 018501-002330US
; CURRENT APPLICATION NUMBER: US/10/188,832
; CURRENT FILING DATE: 2002-11-22
; PRIOR APPLICATION NUMBER: US 60/302,814
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/310,099
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/343,705
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/372,246
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 110
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-188-832-110

Query Match      87.8%; Score 43; DB 16; Length 603;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
       :|:|||||
Db      244 LLVGKPPFE 252

RESULT 26
US-10-408-765A-2279
; Sequence 2279, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Wardock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2279
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-2279

Query Match      87.8%; Score 43; DB 16; Length 603;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
       :|:|||||
Db      244 LLVGKPPFE 252

RESULT 27
US-10-425-114-37525
; Sequence 37525, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37525
; LENGTH: 629
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-067-D3_FLI.pep
; US-10-425-114-37525

Query Match      87.8%; Score 43; DB 12; Length 629;
Best Local Similarity 77.8%; Pred. No. 28;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
       :|:|||||
Db      270 LLVGKPPFE 278

US-10-425-114-37525
```

```
RESULT 28
US-09-898-837A-32
; Sequence 32, Application US/09898837A
; Publication No. US20030077697A1
; GENERAL INFORMATION:
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Majumder, Kumud
; APPLICANT: Vernet, Corine
; APPLICANT: Herimann, John L.
; APPLICANT: Burgess, Catherine
; APPLICANT: Fernandes, Elma
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Rastelli, Luca
; APPLICANT: CuraGen Corporation
; APPLICANT: Gerlach, Valerie L
; APPLICANT: MacDougall, John R
; TITLE OF INVENTION: NOVEL SERINE/THREONINE PROTEIN-KINASE LIKE PROTEINS AND
; FILE REFERENCE: NUCLEIC ACIDS ENCODING THE SAME
; CURRENT APPLICATION NUMBER: US/09/898,837A
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/165,986
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,839
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/195,637
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/197,080
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/232,677
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/181,347
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,195
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/215,906
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: U.S.S.N. 09/715,427
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-898-837A-32

Query Match      83.7%; Score 41; DB 10; Length 256;
Best Local Similarity 66.7%; Pred. No. 26;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGKPPFE 9
Db      193 LLIGKPPFQ 201
          :|||||:

RESULT 29
US-10-369-493-5056
; Sequence 5056, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
```

```
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5056
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-5056

Query Match      83.7%; Score 41; DB 15; Length 329;
Best Local Similarity 87.5%; Pred. No. 33;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      2 LLGKPPFE 9
Db      244 LVGKPPFE 251
          :|||||:

RESULT 30
US-10-087-684-51
; Sequence 51, Application US/10087684
; Publication No. US20040029116A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.
; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie, J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Bsha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 51
; LENGTH: 402
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-684-51

Query Match      83.7%; Score 41; DB 12; Length 402;
```

Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0;

0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9

Db 322 LVGKPPFE 329

## RESULT 31

US-10-218-779-51  
; Sequence 51, Application US/10218779  
; Publication No. US20040029222A1

## GENERAL INFORMATION:

; APPLICANT: Edinger, Shlomit  
; APPLICANT: MacDougall, John  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Stone, David  
; APPLICANT: Gerlach, Valerie  
; APPLICANT: Grosse, William  
; APPLICANT: Alsobrook II, John  
; APPLICANT: Lepley, Denise  
; APPLICANT: Rieger, Daniel  
; APPLICANT: Burgess, Catherine  
; APPLICANT: Casman, Stacie  
; APPLICANT: Spytek, Kimberly  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Li, Li  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Mishra, Vishnu  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Tchernev, Velizar  
; APPLICANT: Vernet, Corine  
; APPLICANT: Zerhusen, Bryan  
; APPLICANT: Malyankar, Uriel  
; APPLICANT: Guo, Xiaojia  
; APPLICANT: Miller, Charles  
; APPLICANT: Gangoli, Esha  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-214  
; CURRENT APPLICATION NUMBER: US/10/218,779  
; PRIORITY FILING DATE: 2002-08-14  
; PRIOR APPLICATION NUMBER: 60/253,834  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/250,926  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: 60/264,180  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 60/313,656  
; PRIOR FILING DATE: 2001-08-20  
; PRIOR APPLICATION NUMBER: 60/327,456  
; PRIOR FILING DATE: 2001-10-05  
; NUMBER OF SEQ ID NOS: 216  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 51  
; LENGTH: 402  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-10-218-779-51

Query Match 83.7%; Score 41; DB 12; Length 402;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9

Db 322 LVGKPPFE 329

## RESULT 32

US-09-012-135A-4

; Sequence 4, Application US/09012135A  
; Patent No. US20020081578A1

## GENERAL INFORMATION:

; APPLICANT: PLOWMAN, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066

## COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0

## CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/012,135A

; FILING DATE: January 22, 1998

## CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/005,268

; FILING DATE: January 9, 1998

; APPLICATION NUMBER: 08/755,728

; FILING DATE: No. US20020081578A1ember 25, 1996

; APPLICATION NUMBER: 60/023,943

; FILING DATE: August 14, 1996

; APPLICATION NUMBER: 60/008,809

; FILING DATE: December 18, 1995

## ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 231/282

## TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 4:

## SEQUENCE CHARACTERISTICS:

; LENGTH: 403 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

US-09-012-135A-4

Query Match 83.7%; Score 41; DB 9; Length 403;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9

Db 323 LVGKPPFE 330

## RESULT 33

US-10-087-684-14

; Sequence 14, Application US/10087684

; Publication No. US20040029116A1

## GENERAL INFORMATION:

; APPLICANT: Edinger, Shlomit R.

; APPLICANT: MacDougall, John R.

; APPLICANT: Millet, Isabelle

; APPLICANT: Ellerman, Karen

; APPLICANT: Stone, David J.

```

; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie, J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 14
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-684-14

```

```

Query Match      83.7%; Score 41; DB 12; Length 403;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      2 LLGKPPPE 9
Db      323 LVGKPPPE 330

```

```

RESULT 34
US-10-087-684-47
; Sequence 47, Application US/10087684
; Publication No. US20040029116A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.
; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie, J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.

```

```

; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 47
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-684-47

```

```

Query Match      83.7%; Score 41; DB 12; Length 403;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      2 LLGKPPPE 9
Db      323 LVGKPPPE 330

```

```

RESULT 35
US-10-087-684-48
; Sequence 48, Application US/10087684
; Publication No. US20040029116A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.
; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie, J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684

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; CURRENT FILING DATE: 2003-03-10  
; PRIOR APPLICATION NUMBER: 60/253,834  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/250,926  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: 60/264,180  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 60/274,194  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 60/313,656  
; PRIOR FILING DATE: 2001-08-20  
; PRIOR APPLICATION NUMBER: 60/327,456  
; PRIOR FILING DATE: 2001-10-05  
; NUMBER OF SEQ ID NOS: 220  
; SOFTWARE: CuraSeqList version 0.1  
; SEQ ID NO 48  
; LENGTH: 403  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-087-684-48

Query Match 83.7%; Score 41; DB 12; Length 403;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGKPPFE 9  
Db 323 LVGKPPFE 330

RESULT 36  
US-10-087-684-49  
; Sequence 49, Application US/10087684  
; Publication No. US20040029116A1  
; GENERAL INFORMATION:  
; APPLICANT: Edinger, Shlomit R.  
; APPLICANT: MacDougall, John R.  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Stone, David J.  
; APPLICANT: Grosse, William M.  
; APPLICANT: Lepley, Denise M.  
; APPLICANT: Rieger, Daniel K.  
; APPLICANT: Burgess, Catherine E.  
; APPLICANT: Casman, Stacie, J.  
; APPLICANT: Spytek, Kimberly A.  
; APPLICANT: Boldog, Ferenc L.  
; APPLICANT: Li, Li  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Mishra, Vishnu  
; APPLICANT: Shenoy, Suresh G.  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Tchernev, Velizar T.  
; APPLICANT: Vernet, Corine A.M.  
; APPLICANT: Zerhusen, Bryan D.  
; APPLICANT: Malyankar, Uriel M.  
; APPLICANT: Guo, Xiaojia  
; APPLICANT: Miller, Charles E.  
; APPLICANT: Gangolli, Esha A.  
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
; FILE REFERENCE: 21402-214 CIP  
; CURRENT APPLICATION NUMBER: US/10/087,684  
; CURRENT FILING DATE: 2003-03-10  
; PRIOR APPLICATION NUMBER: 60/253,834  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/250,926  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: 60/264,180  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 60/274,194  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 60/313,656  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 220  
; SOFTWARE: CuraSeqList version 0.1  
; SEQ ID NO 48  
; LENGTH: 403  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-087-684-49

; PRIOR APPLICATION NUMBER: 60/327,456  
; PRIOR FILING DATE: 2001-10-05  
; NUMBER OF SEQ ID NOS: 220  
; SOFTWARE: CuraSeqList version 0.1  
; SEQ ID NO 49  
; LENGTH: 403  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-087-684-49

Query Match 83.7%; Score 41; DB 12; Length 403;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGKPPFE 9  
Db 323 LVGKPPFE 330

RESULT 37  
US-10-087-684-50  
; Sequence 50, Application US/10087684  
; Publication No. US20040029116A1  
; GENERAL INFORMATION:  
; APPLICANT: Edinger, Shlomit R.  
; APPLICANT: MacDougall, John R.  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Stone, David J.  
; APPLICANT: Grosse, William M.  
; APPLICANT: Lepley, Denise M.  
; APPLICANT: Rieger, Daniel K.  
; APPLICANT: Burgess, Catherine E.  
; APPLICANT: Casman, Stacie, J.  
; APPLICANT: Spytek, Kimberly A.  
; APPLICANT: Boldog, Ferenc L.  
; APPLICANT: Li, Li  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Mishra, Vishnu  
; APPLICANT: Shenoy, Suresh G.  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Tchernev, Velizar T.  
; APPLICANT: Vernet, Corine A.M.  
; APPLICANT: Zerhusen, Bryan D.  
; APPLICANT: Malyankar, Uriel M.  
; APPLICANT: Guo, Xiaojia  
; APPLICANT: Miller, Charles E.  
; APPLICANT: Gangolli, Esha A.  
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
; FILE REFERENCE: 21402-214 CIP  
; CURRENT APPLICATION NUMBER: US/10/087,684  
; CURRENT FILING DATE: 2003-03-10  
; PRIOR APPLICATION NUMBER: 60/253,834  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/250,926  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: 60/264,180  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 60/274,194  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 60/313,656  
; PRIOR FILING DATE: 2001-08-20  
; PRIOR APPLICATION NUMBER: 60/327,456  
; PRIOR FILING DATE: 2001-10-05  
; NUMBER OF SEQ ID NOS: 220  
; SOFTWARE: CuraSeqList version 0.1  
; SEQ ID NO 50  
; LENGTH: 403  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-087-684-50

Query Match 83.7%; Score 41; DB 12; Length 403;



Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPPE 9  
Db 323 LVGKPPPE 330

## RESULT 38

US-10-218-779-14  
Sequence 14, Application US/10218779

Publication No. US20040029222A1

GENERAL INFORMATION:

APPLICANT: Edinger, Shlomit  
APPLICANT: MacDougall, John  
APPLICANT: Millet, Isabelle  
APPLICANT: Ellerman, Karen  
APPLICANT: Stone, David  
APPLICANT: Gerlach, Valerie  
APPLICANT: Grosse, William  
APPLICANT: Alsobrook II, John  
APPLICANT: Lepley, Denise  
APPLICANT: Rieger, Daniel  
APPLICANT: Burgess, Catherine  
APPLICANT: Casman, Stacie  
APPLICANT: Spytek, Kimberly  
APPLICANT: Boldog, Ferenc  
APPLICANT: Li, Li  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Mishra, Vishnu  
APPLICANT: Patturajan, Meera  
APPLICANT: Shenoy, Suresh  
APPLICANT: Rastelli, Luca  
APPLICANT: Tchernev, Velizar  
APPLICANT: Vernet, Corine  
APPLICANT: Zerhusen, Bryan  
APPLICANT: Malyankar, Uriel  
APPLICANT: Guo, Xiaojia  
APPLICANT: Miller, Charles  
APPLICANT: Gangolli, Esha

TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-214  
CURRENT APPLICATION NUMBER: US/10/218,779  
CURRENT FILING DATE: 2002-08-14  
PRIOR APPLICATION NUMBER: 60/253,834  
PRIOR FILING DATE: 2000-11-29  
PRIOR APPLICATION NUMBER: 60/250,-926  
PRIOR FILING DATE: 2000-11-30  
PRIOR APPLICATION NUMBER: 60/264,180  
PRIOR FILING DATE: 2001-01-25  
PRIOR APPLICATION NUMBER: 60/313,656  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/327,456  
PRIOR FILING DATE: 2001-10-05  
NUMBER OF SEQ ID NOS: 216  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 14  
LENGTH: 403  
TYPE: PRT  
ORGANISM: Homo sapiens

US-10-218-779-14

Query Match 83.7%; Score 41; DB 12; Length 403;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPPE 9  
Db 323 LVGKPPPE 330

## RESULT 39

US-10-218-779-47

Sequence 47, Application US/10218779  
Publication No. US20040029222A1

GENERAL INFORMATION:

APPLICANT: Edinger, Shlomit  
APPLICANT: MacDougall, John  
APPLICANT: Millet, Isabelle  
APPLICANT: Ellerman, Karen  
APPLICANT: Stone, David  
APPLICANT: Gerlach, Valerie  
APPLICANT: Grosse, William  
APPLICANT: Alsobrook II, John  
APPLICANT: Lepley, Denise  
APPLICANT: Rieger, Daniel  
APPLICANT: Burgess, Catherine  
APPLICANT: Casman, Stacie  
APPLICANT: Spytek, Kimberly  
APPLICANT: Boldog, Ferenc  
APPLICANT: Li, Li  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Mishra, Vishnu  
APPLICANT: Patturajan, Meera  
APPLICANT: Shenoy, Suresh  
APPLICANT: Rastelli, Luca  
APPLICANT: Tchernev, Velizar  
APPLICANT: Vernet, Corine  
APPLICANT: Zerhusen, Bryan  
APPLICANT: Malyankar, Uriel  
APPLICANT: Guo, Xiaojia  
APPLICANT: Miller, Charles  
APPLICANT: Gangolli, Esha

TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-214  
CURRENT APPLICATION NUMBER: US/10/218,779  
CURRENT FILING DATE: 2002-08-14  
PRIOR APPLICATION NUMBER: 60/253,834  
PRIOR FILING DATE: 2000-11-29  
PRIOR APPLICATION NUMBER: 60/250,-926  
PRIOR FILING DATE: 2000-11-30  
PRIOR APPLICATION NUMBER: 60/264,180  
PRIOR FILING DATE: 2001-01-25  
PRIOR APPLICATION NUMBER: 60/313,656  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/327,456  
PRIOR FILING DATE: 2001-10-05  
NUMBER OF SEQ ID NOS: 216  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 47  
LENGTH: 403  
TYPE: PRT  
ORGANISM: Homo sapiens

US-10-218-779-47

Query Match 83.7%; Score 41; DB 12; Length 403;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPPE 9  
Db 323 LVGKPPPE 330

## RESULT 40

US-10-218-779-48

Sequence 48, Application US/10218779  
Publication No. US20040029222A1

GENERAL INFORMATION:

APPLICANT: Edinger, Shlomit  
APPLICANT: MacDougall, John  
APPLICANT: Millet, Isabelle  
APPLICANT: Ellerman, Karen  
APPLICANT: Stone, David  
APPLICANT: Gerlach, Valerie  
APPLICANT: Grosse, William

APPLICANT: Alsobrook II, John  
APPLICANT: Lepley, Denise  
APPLICANT: Rieger, Daniel  
APPLICANT: Burgess, Catherine  
APPLICANT: Casman, Stacie  
APPLICANT: Spytek, Kimberly  
APPLICANT: Boldog, Ferenc  
APPLICANT: Li, Li  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Mishra, Vishnu  
APPLICANT: Patturajan, Meera  
APPLICANT: Shenoy, Suresh  
APPLICANT: Rastelli, Luca  
APPLICANT: Tchernev, Velizar  
APPLICANT: Vernet, Corine  
APPLICANT: Zernhusen, Bryan  
APPLICANT: Malyankar, Uriel  
APPLICANT: Guo, Xiaojia  
APPLICANT: Miller, Charles  
APPLICANT: Gangolli, Esha  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-214  
CURRENT APPLICATION NUMBER: US/10/218,779  
CURRENT FILING DATE: 2002-08-14  
PRIOR APPLICATION NUMBER: 60/253,834  
PRIOR FILING DATE: 2000-11-29  
PRIOR APPLICATION NUMBER: 60/250,-926  
PRIOR FILING DATE: 2000-11-30  
PRIOR APPLICATION NUMBER: 60/264,180  
PRIOR FILING DATE: 2001-01-25  
PRIOR APPLICATION NUMBER: 60/313,656  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/327,456  
PRIOR FILING DATE: 2001-10-05  
NUMBER OF SEQ ID NOS: 216  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 48  
LENGTH: 403  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-218-779-48

Query Match 83.7%; Score 41; DB 12; Length 403;  
Best Local Similarity 87.5%; Pred. No. 41;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LKGPPE 9  
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Db 323 LVGKPEPE 330

Search completed: June 9, 2004, 11:22:06  
Job time : 36.1957 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 9, 2004, 10:56:30 ; Search time 12.3261 Seconds  
(without alignments)  
37.695 Million cell updates/sec

Title: US-09-736-076-18

Perfect score: 49

Sequence: 1 LGRPPPEETS 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	49	100.0	9	3	US-08-861-338-18
2	49	100.0	11	3	US-08-861-338-19
3	46	93.9	272	1	US-08-252-995D-12
4	46	93.9	272	2	US-08-834-108-12
5	46	93.9	685	1	US-08-878-989-1
6	46	93.9	685	3	US-09-136-282-2
7	46	93.9	685	3	US-09-272-796-1
8	46	93.9	685	3	US-09-505-744-2
9	43	87.8	20	3	US-08-861-338-6
10	43	87.8	272	1	US-08-252-995D-14
11	43	87.8	272	2	US-08-834-108-14
12	43	87.8	603	3	US-09-198-122-2
13	43	87.8	603	4	US-09-311-311C-26
14	40	81.6	9	3	US-08-861-338-15
15	40	81.6	273	1	US-08-252-995D-10
16	40	81.6	273	2	US-08-834-108-10
17	40	81.6	416	1	US-08-252-995D-2
18	40	81.6	416	2	US-08-834-108-2
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22	40	81.6	925	2	US-08-834-108-4
23	38	77.6	271	1	US-08-252-995D-11
24	38	77.6	271	2	US-08-834-108-11
25	37	75.5	9	3	US-08-861-338-17
26	36	73.5	220	1	US-08-233-146-2
27	36	73.5	220	1	US-08-463-470-2

28 73.5 607 2 US-08-878-989-15 Sequence 15, Appl  
29 73.5 607 3 US-09-272-796-15 Sequence 15, Appl  
30 899 4 US-09-437-568A-48 Sequence 46, Appl  
31 73.5 1551 4 US-09-437-568A-46 Sequence 46, Appl  
32 182 4 US-09-134-001C-3742 Sequence 3742, Ap  
33 71.4 403 2 US-08-755-728-4 Sequence 4, Appl  
34 71.4 403 2 US-08-974-655-4 Sequence 4, Appl  
35 71.4 403 3 US-09-283-011-4 Sequence 4, Appl  
36 69.4 226 4 US-09-134-001C-5260 Sequence 5260, Ap  
37 69.4 254 4 US-09-252-991A-24255 Sequence 24255, A  
38 69.4 344 2 US-08-755-728-3 Sequence 3, Appl  
39 69.4 344 2 US-08-974-655-3 Sequence 3, Appl  
40 69.4 344 3 US-09-283-011-3 Sequence 3, Appl  
41 69.4 347 2 US-09-016-000-1 Sequence 1, Appl  
42 69.4 1019 4 US-09-252-991A-24417 Sequence 24417, A  
43 69.4 1312 4 US-09-345-882-29 Sequence 29, Appl  
44 67.3 50 4 US-09-463-125D-6 Sequence 6, Appl  
45 67.3 72 4 US-09-463-125D-2 Sequence 2, Appl

ALIGNMENTS

RESULT 1

US-08-861-338-18  
; Sequence 18, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 18:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Leucine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 7  
; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9

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; OTHER INFORMATION: /note= "Serine-NH2"
US-08-861-338-18
Query Match      100.0%; Score 49; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05; 0; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

QY 1 LGRPPFETS 9
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Db 1 LGRPPFETS 9

RESULT 2
US-08-861-338-19
; Sequence 19, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "N-Acetyl Methionine"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 11
; OTHER INFORMATION: /note= "Serine-NH2"
US-08-861-338-19
Query Match      100.0%; Score 49; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0039; 0; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

QY 1 LGRPPFETS 9
   |||||
Db 3 LGRPPFETS 11
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RESULT 3
US-08-252-995D-12
; Sequence 12, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdzyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; US-08-252-995D-12
Query Match      93.9%; Score 46; DB 1; Length 272;
Best Local Similarity 88.9%; Pred. No. 0.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
   |||||
Db 201 LGRPPFETS 209

RESULT 4
US-08-834-108-12
; Sequence 12, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/834,108  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydyk, Linda M  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-210  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 272 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Mus musculus  
US-08-834-108-12

Query Match 93.9%; Score 46; DB 2; Length 272;  
Best Local Similarity 88.9%; Pred. No. 0.4;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFFTS 9  
Db 201 LGRPPFFET 209

RESULT 5  
US-08-878-989-1  
Sequence 1, Application US/08878989  
Patent No. 5885803  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Corley, Neil C.  
APPLICANT: Guegler, Karl G.  
APPLICANT: Lal, Preeti  
APPLICANT: Golli, Surya K.  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/878,989  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELECOMMUNICATION INFORMATION:

Query Match 93.9%; Score 46; DB 3; Length 685;

TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HUVENOB01  
CLONE: 39043  
US-08-878-989-1

Query Match 93.9%; Score 46; DB 2; Length 685;  
Best Local Similarity 88.9%; Pred. No. 1.1;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFFTS 9  
Db 275 LGRPPFFET 283

RESULT 6  
US-09-136-282-2  
Sequence 2, Application US/09136282  
Patent No. 6063609  
GENERAL INFORMATION:  
APPLICANT: ANDERSON, KAREN  
APPLICANT: JACKSON, JEFFREY  
APPLICANT: HANSBURY, MICHAEL  
APPLICANT: NERURKAR, SANDHYA  
APPLICANT: KOSHAK, AMY  
APPLICANT: BOUZYK, MARK  
TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Ratner & Prestia  
STREET: P.O. Box 980  
CITY: Valley Forge  
STATE: PA  
COUNTRY: USA  
ZIP: 19482  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/136,282  
FILING DATE: 20-AUG-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/056,112  
FILING DATE: 20-AUG-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Prestia, Paul F  
REGISTRATION NUMBER: 23,031  
REFERENCE/DOCKET NUMBER: GH-70231  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-407-0700  
TELEFAX: 610-407-0700  
TELEX: 846169  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-136-282-2

us-09-736-076-18.ra1

Wed Jun 9 12:53:06 2004

```

; Patent No. 6245544
; GENERAL INFORMATION:
; APPLICANT: Karen M. Anderson
; APPLICANT: Mark M. Bouzyk
; APPLICANT: Michael J. Hansbury
; APPLICANT: Jeffrey R. Jackson
; APPLICANT: Sandhya S. Nerurkar
; APPLICANT: Amy K. Roshak
; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
; FILE REFERENCE: GH-70231-D1
; CURRENT APPLICATION NUMBER: US/09/505,744
; CURRENT FILING DATE: 2000-02-16
; EARLIER APPLICATION NUMBER: 09/136,282
; EARLIER FILING DATE: 1998-08-20
; EARLIER APPLICATION NUMBER: 60/056,112
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 685
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
; US-09-505-744-2

Query Match      93.9%; Score 46; DB 3; Length 685;
Best Local Similarity 88.9%; Pred. No. 1.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LGRPPFETS 9
DB      275 LGRPPFETT 283

RESULT 7
US-09-272-796-1
; Sequence 1, Application US/09272796
; Patent No. 6207148
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; APPLICANT: Lal, Preeti
; APPLICANT: Goli, Surya K.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
; TITLE OF INVENTION: KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/272,796
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/878,989
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0321 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 685 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: HUVENOB01
; CLONE: 39043
; US-09-272-796-1

Query Match      93.9%; Score 46; DB 3; Length 685;
Best Local Similarity 88.9%; Pred. No. 1.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LGRPPFETS 9
DB      275 LGRPPFETT 283

RESULT 8
US-09-505-744-2
; Sequence 2, Application US/09505744

```

Query Match 87.8%; Score 43; DB 3; Length 20;  
Best Local Similarity 77.8%; Pred No. 0.097;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9  
Db 5 VGKPPFETS 13  
:|:|||||

RESULT 10  
US-08-252-995D-14  
; Sequence 14, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 272 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Mus musculus  
US-08-252-995D-14

Query Match 87.8%; Score 43; DB 1; Length 272;  
Best Local Similarity 77.8%; Pred. No. 1.5;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9  
Db 201 VGKPPFETS 209  
:|:|||||

RESULT 11  
US-08-834-108-14  
; Sequence 14, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 272 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Mus musculus  
US-08-834-108-14

Query Match 87.8%; Score 43; DB 2; Length 272;  
Best Local Similarity 77.8%; Pred. No. 1.5;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9  
Db 201 VGKPPFETS 209  
:|:|||||

RESULT 12  
US-09-198-122-2  
; Sequence 2, Application US/09198122  
; Patent No. 6180380  
; GENERAL INFORMATION:  
; APPLICANT: Streibhardt, Klaus; Rubsamen-Waigmann, Helga;  
; APPLICANT: Holtrich, Uwe  
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-  
; TITLE OF INVENTION: THREONINE-KINASE FAMILY  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS  
; STREET: 660 White Plains Road  
; CITY: Tarrytown  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10591-5144  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB  
; MEDIUM TYPE: storage  
; COMPUTER: NEC Powermate SX-20  
; OPERATING SYSTEM: DOS  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/198,122  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/601,014  
; FILING DATE: 23-FEB-1996

APPLICATION NUMBER: PCT/EP94/02863  
FILING DATE: 30-AUG-1994  
PRIOR APPLICATION DATA: DE 4329177  
FILING DATE: 30-AUG-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurt G. Briscoe  
REGISTRATION NUMBER: 33,141  
REFERENCE/DOCKET NUMBER: Bayer 9516-KGB  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (914) 332-1700  
TELEFAX: (914) 332-1844  
TELEX:  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 603 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: Protein  
US-09-198-122-2

Query Match 87.8%; Score 43; DB 3; Length 603;  
Best Local Similarity 77.8%; Pred. No. 3.4;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPPTS 9  
Db 246 VGRPPPTS 254

RESULT 13  
US-09-311-311C-26  
Sequence 26, Application US/09311311C  
Patent No. 6358738  
GENERAL INFORMATION:  
APPLICANT: Erikson, et al.  
TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,  
METHODS, AND USES THEREFOR  
FILE REFERENCE: 1874/117  
CURRENT APPLICATION NUMBER: US/09/311,311C  
CURRENT FILING DATE: 1999-05-13  
PRIOR APPLICATION NUMBER: US 60/085,296  
PRIOR FILING DATE: 1998-05-13  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Fast-SEQ for Windows Version 4.0  
SEQ ID NO 26  
LENGTH: 603  
TYPE: PRT  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (1)...(603)  
OTHER INFORMATION: Flk protein  
US-09-311-311C-26

Query Match 87.8%; Score 43; DB 4; Length 603;  
Best Local Similarity 77.8%; Pred. No. 3.4;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPPTS 9  
Db 246 VGRPPPTS 254

RESULT 14  
US-08-861-338-15  
Sequence 15, Application US/08861338  
Patent No. 6174993  
GENERAL INFORMATION:  
APPLICANT: Ben-Sasson, Shmuel A.  
TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
STREET: Two Militia Drive  
CITY: Lexington  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02173  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/861,338  
FILING DATE: 21-MAY-1997  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Brook, David E.  
REGISTRATION NUMBER: 22,592  
REFERENCE/DOCKET NUMBER: CMCC-590  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781) 861-6240  
TELEFAX: (781) 861-9540  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "N-Acetyl Methionine"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: /note= "Gamma Benzyl Ester of  
Glutamic Acid-NH2"  
US-08-861-338-15

Query Match 81.6%; Score 40; DB 3; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPPE 7  
Db 3 LGRPPPE 9

RESULT 15  
US-08-252-995D-10  
Sequence 10, Application US/08252995D  
Patent No. 5650501  
GENERAL INFORMATION:  
APPLICANT: Dennis, James W  
APPLICANT: Heffernan, Mike  
APPLICANT: Fode, Carol  
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BERSKIN & PARR  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:



```
/ APPLICATION NUMBER: US/08/252,995D
/ FILING DATE: 02-JUN-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 273 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ ORIGINAL SOURCE:
/ ORGANISM: Homo sapiens
US-08-252-995D-10

Query Match      81.6%; Score 40; DB 1; Length 273;
Best Local Similarity 75.0%; Pred. No. 5.4;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LGRPPFET 8
Db      202 IGRPPFDT 209

RESULT 16
US-08-834-108-10
/ Sequence 10, Application US/08834108
/ Patent No. 5976893
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: M5H 3Y2
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/834,108
/ FILING DATE:
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-210
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 273 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ ORIGINAL SOURCE:
/ ORGANISM: Homo sapiens
US-08-834-108-10
```

```
Query Match      81.6%; Score 40; DB 2; Length 273;
Best Local Similarity 75.0%; Pred. No. 5.4;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LGRPPFET 8
Db      202 IGRPPFDT 209

RESULT 17
US-08-252-995D-2
/ Sequence 2, Application US/08252995D
/ Patent No. 5650501
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: M5H 3Y2
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/252,995D
/ FILING DATE: 02-JUN-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 416 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-252-995D-2

Query Match      81.6%; Score 40; DB 1; Length 416;
Best Local Similarity 75.0%; Pred. No. 8.3;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LGRPPFET 8
Db      206 IGRPPFDT 213

RESULT 18
US-08-834-108-2
/ Sequence 2, Application US/08834108
/ Patent No. 5976893
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
```

```

;
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 416 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-834-108-2
;
; Query Match 81.6%; Score 40; DB 2; Length 416;
; Best Local Similarity 75.0%; Pred. No. 8.3;
; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 LGRPPFET 8
; Db 206 IGRPPFET 213
;
; RESULT 19
; US-08-252-995D-6
; Sequence 6, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 464 amino acids
;
; Query Match 81.6%; Score 40; DB 2; Length 464;
; Best Local Similarity 75.0%; Pred. No. 9.3;
; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 LGRPPFET 8
; Db 206 IGRPPFET 213
;
; RESULT 20
; US-08-834-108-6
; Sequence 6, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 464 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-834-108-6
;
; Query Match 81.6%; Score 40; DB 2; Length 464;
; Best Local Similarity 75.0%; Pred. No. 9.3;
; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 LGRPPFET 8
; Db 206 IGRPPFET 213
;
; RESULT 21
; US-08-252-995D-4
; Sequence 4, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

```

```
/
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: M5H 3Y2
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/252,995D
/ FILING DATE: 02-JUN-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 925 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/
/ US-08-252-995D-4
/
/ Query Match 81.6%; Score 40; DB 1; Length 925;
/ Best Local Similarity 75.0%; Pred. No. 19;
/ Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 LGRPPPET 8
/ Db 206 IGRPPPET 213
/
/ RESULT 22
/ US-08-834-108-4
/ Sequence 4, Application US/08834108
/ Patent No. 5976893
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: M5H 3Y2
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/834,108
/ FILING DATE:
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-210
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
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/
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 925 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/
/ US-08-834-108-4
/
/ Query Match 81.6%; Score 40; DB 2; Length 925;
/ Best Local Similarity 75.0%; Pred. No. 19;
/ Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 LGRPPPET 8
/ Db 206 IGRPPPET 213
/
/ RESULT 23
/ US-08-252-995D-11
/ Sequence 11, Application US/08252995D
/ Patent No. 5650501
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: M5H 3Y2
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/252,995D
/ FILING DATE: 02-JUN-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 271 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ ORIGINAL SOURCE:
/ ORGANISM: Drosophila melanogaster
/
/ US-08-252-995D-11
/
/ Query Match 77.6%; Score 38; DB 1; Length 271;
/ Best Local Similarity 75.0%; Pred. No. 13;
/ Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 LGRPPPET 8
/ Db 200 VQPPPET 207
/
/ RESULT 24
/ US-08-834-108-11
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REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 7005-024-999  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 220 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Pseudomonas chlororaphis  
STRAIN: B23 (FERM BP-187)  
US-08-233-146-2

Query Match 73.5%; Score 36; DB 1; Length 220;  
Best Local Similarity 100.0%; Pred. No. 24;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRPPE 7  
Db 120 GRPPE 125

## RESULT 27

US-08-463-470-2  
Sequence 2, Application US/08463470  
Patent No. 5789211  
GENERAL INFORMATION:  
APPLICANT: BEPPU, TERUHIKO  
APPLICANT: YAMADA, HIDEAKI  
APPLICANT: NAGASAWA, TORU  
APPLICANT: HORINOCHI, SUEHARU  
APPLICANT: NISHIYAMA, MAKOTO  
TITLE OF INVENTION: A GENE ENCODING A POLYPEPTIDE HAVING  
TITLE OF INVENTION: NITRILE HYDRATASE ACTIVITY, A TRANSFORMANT CONTAINING THE  
TITLE OF INVENTION: GENE AND A PROCESS FOR THE PRODUCTION OF AMIDES USING THE  
TITLE OF INVENTION: TRANSFORMANT  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 AVENUE OF THE AMERICAS  
CITY: NEW YORK  
STATE: N.Y.  
COUNTRY: U.S.A.  
ZIP: 10036

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/463,470  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/233,146  
FILING DATE: 22-APR-1994  
APPLICATION NUMBER: US 07/694,746  
FILING DATE: 02-MAY-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: MISROCK, S. LESLIE  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 7005-024-999  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 220 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: Pseudomonas chlororaphis  
STRAIN: B23 (FERM BP-187)  
US-08-463-470-2

Query Match 73.5%; Score 36; DB 1; Length 220;  
Best Local Similarity 100.0%; Pred. No. 24;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRPPE 7  
Db 120 GRPPE 125

## RESULT 28

US-08-878-989-15  
Sequence 15, Application US/08878989  
Patent No. 5885803  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Corley, Neil C.  
APPLICANT: Guegler, Karl G.  
APPLICANT: Lal, Preeti  
APPLICANT: Goli, Surya K.  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
TITLE OF INVENTION: KINASES  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/878,989  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:

INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 607 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 1827450  
US-08-878-989-15

Query Match 73.5%; Score 36; DB 2; Length 607;  
Best Local Similarity 75.0%; Pred. No. 69;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 GRPPEFS 9  
| | | | |  
Db 217 GSPPFETA 224

RESULT 29  
US-09-272-796-15  
; Sequence 15, Application US/09272796  
; Patent No. 6207148  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Guegler, Karl G.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
; TITLE OF INVENTION: KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/272,796  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/878,989  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J J  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0321 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:

; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 607 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1827450  
US-09-272-796-15

Query Match 73.5%; Score 36; DB 3; Length 607;  
Best Local Similarity 75.0%; Pred. No. 69;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 GRPPEFS 9  
| | | | |  
Db 217 GSPPFETA 224

RESULT 30  
US-09-437-568A-48  
; Sequence 48, Application US/09437568A  
; Patent No. 6620603  
; GENERAL INFORMATION:

; APPLICANT: Lambeth, J. David  
; APPLICANT: Griendling, Kathy  
; APPLICANT: Lassegue, Bernard  
; APPLICANT: Arnold, Rebecca S.  
; APPLICANT: Cheng, Guangjie  
; TITLE OF INVENTION: No. 6620603el Mitogenic Regulators  
; FILE REFERENCE: 05501-0103  
; CURRENT APPLICATION NUMBER: US/09/437,568A  
; CURRENT FILING DATE: 1999-11-10  
; NUMBER OF SEQ ID NOS: 61  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 48  
; LENGTH: 899  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-437-568A-48

Query Match 73.5%; Score 36; DB 4; Length 899;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRPPEF 7  
| | | | |  
Db 842 GRPPEF 847

RESULT 31  
US-09-437-568A-46  
; Sequence 46, Application US/09437568A  
; Patent No. 6620603  
; GENERAL INFORMATION:  
; APPLICANT: Lambeth, J. David  
; APPLICANT: Griendling, Kathy  
; APPLICANT: Lassegue, Bernard  
; APPLICANT: Arnold, Rebecca S.  
; APPLICANT: Cheng, Guangjie  
; TITLE OF INVENTION: No. 6620603el Mitogenic Regulators  
; FILE REFERENCE: 05501-0103  
; CURRENT APPLICATION NUMBER: US/09/437,568A  
; CURRENT FILING DATE: 1999-11-10  
; NUMBER OF SEQ ID NOS: 61  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 46  
; LENGTH: 1551  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-437-568A-46

Query Match 73.5%; Score 36; DB 4; Length 1551;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRPPEF 7  
| | | | |  
Db 1494 GRPPEF 1499

RESULT 32  
US-09-134-001C-3742  
; Sequence 3742, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: CTC-007  
; CURRENT APPLICATION NUMBER: US/09/134,001C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 5674

; SEQ ID NO 3742  
; LENGTH: 182  
; TYPE: PRT  
; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-3742

Query Match 71.4%; Score 35; DB 4; Length 182;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPF 6  
|:|||||  
Db 177 LGRPPF 182

RESULT 33  
US-08-735-728-4  
; Sequence 4, Application US/08/755728  
; Patent No. 5962312  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSEQ for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/755,728  
; FILING DATE: No. 5962312ember 25, 1996  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; APPLICATION NUMBER: 60/023,943  
; FILING DATE: August 14, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 223/113  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 403 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-755-728-4

Query Match 71.4%; Score 35; DB 2; Length 403;  
Best Local Similarity 55.6%; Pred. No. 70;  
Matches 5; Conservative 3; Mismatches 1; Indels 1; Gaps 0;

QY 1 LGRPPFETS 9  
|:|||||:

Db 324 VGKPPFEAN 332

RESULT 34  
US-08-974-655-4  
; Sequence 4, Application US/08974655  
; Patent No. 5972676  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSEQ for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/974,655  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/755,728  
; FILING DATE: No. 5972676ember 25, 1996  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; APPLICATION NUMBER: 60/023,943  
; FILING DATE: August 14, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 223/113  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 403 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-974-655-4

Query Match 71.4%; Score 35; DB 2; Length 403;  
Best Local Similarity 55.6%; Pred. No. 70;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9  
|:|||||:  
Db 324 VGKPPFEAN 332

RESULT 35  
US-09-283-011-4  
; Sequence 4, Application US/09283011  
; Patent No. 6207401  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin

;; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
;; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
;; NUMBER OF SEQUENCES: 39  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Lyon & Lyon  
;; STREET: 633 West Fifth Street  
;; CITY: Los Angeles  
;; STATE: California  
;; COUNTRY: U.S.A.  
;; ZIP: 90071-2066  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
;; MEDIUM TYPE: storage  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: IBM P.C. DOS 5.0  
;; SOFTWARE: FastSEQ for Windows 2.0  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/283,011  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/012,135  
;; FILING DATE: January 22, 1998  
;; APPLICATION NUMBER: 08/755,728  
;; FILING DATE: No. 6207401ember 25, 1996  
;; APPLICATION NUMBER: 60/023,943  
;; FILING DATE: August 14, 1996  
;; APPLICATION NUMBER: 60/008,809  
;; FILING DATE: December 18, 1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Warburg, Richard J.  
;; REGISTRATION NUMBER: 32,327  
;; REFERENCE/DOCKET NUMBER: 231/282  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (213) 489-1600  
;; TELEFAX: (213) 955-0440  
;; TELEX: 67-3510  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 403 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; HYPOTHEICAL: NO  
;; ANTI-SENSE: NO  
;; US-09-283-011-4

Query Match 71.4%; Score 35; DB 3; Length 403;  
Best Local Similarity 55.6%; Pred. No. 70;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 LGRPPPFETS 9  
:|:||||:  
DB 324 VGRPPPFAN 332

RESULT 36  
US-09-134-001C-5260  
; Sequence 5260, Application US/091344001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC-007  
; CURRENT APPLICATION NUMBER: US/09/134.001C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14

;; NUMBER OF SEQ ID NOS: 5674  
;; SEQ ID NO 5260  
;; LENGTH: 226  
;; TYPE: PRT  
;; ORGANISM: Staphylococcus epidermidis  
;; US-09-134-001C-5260

Query Match 69.4%; Score 34; DB 4; Length 226;  
Best Local Similarity 75.0%; Pred. No. 59;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 LGRPPPFET 8  
||| ||| |  
DB 54 LGNPPPFAT 61

RESULT 37  
US-09-252-991A-24255  
; Sequence 24255, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 24255  
; LENGTH: 254  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
; US-09-252-991A-24255

Query Match 69.4%; Score 34; DB 4; Length 254;  
Best Local Similarity 85.7%; Pred. No. 66;  
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LGRPPPF 7  
| |||||  
DB 34 LARPPFE 40

RESULT 38  
US-08-755-728-3  
; Sequence 3, Application US/08755728  
; Patent No. 5962312  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSEQ for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/755,728



;; FILING DATE: No. 5962312ember 25, 1996  
;; CLASSIFICATION: 530  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 60/008,809  
;; FILING DATE: December 18, 1995  
;; APPLICATION NUMBER: 60/023,943  
;; FILING DATE: August 14, 1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Warburg, Richard J.  
;; REGISTRATION NUMBER: 32,327  
;; REFERENCE/DOCKET NUMBER: 223/113  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (213) 489-1600  
;; TELEFAX: (213) 955-0440  
;; TELEX: 67-3510  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 344 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
US-08-755-728-3

Query Match 69.4%; Score 34; DB 2; Length 344;

Best Local Similarity 55.6%; Pred. No. 91;

Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFFTS 9

Db 268 VGNPPFESA 276

RESULT 39

US-08-974-655-3

; Sequence 3, Application US/08974655

; Patent No. 5972676

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory

; APPLICANT: Mossie, Kevin

; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1

; NUMBER OF SEQUENCES: 29

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; SUITE: Suite 4700

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071-2066

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: FastSeq for Windows 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/974,655

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/755,728

; FILING DATE: No. 5972676ember 25, 1996

; APPLICATION NUMBER: 60/008,809

; FILING DATE: December 18, 1995

; APPLICATION NUMBER: 60/023,943

; FILING DATE: August 14, 1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

;; REFERENCE/DOCKET NUMBER: 223/113  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (213) 489-1600  
;; TELEFAX: (213) 955-0440  
;; TELEX: 67-3510  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 344 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
US-08-974-655-3

Query Match 69.4%; Score 34; DB 2; Length 344;

Best Local Similarity 55.6%; Pred. No. 91;

Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFFTS 9

Db 268 VGNPPFESA 276

RESULT 40

US-09-283-011-3

; Sequence 3, Application US/09283011

; Patent No. 6207401

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory

; APPLICANT: Mossie, Kevin

; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1

; NUMBER OF SEQUENCES: 39

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; SUITE: Suite 4700

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071-2066

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: FastSeq for Windows 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/283,011

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/012,135

; FILING DATE: January 22, 1998

; APPLICATION NUMBER: 08/755,728

; FILING DATE: No. 6207401ember 25, 1996

; APPLICATION NUMBER: 60/023,943

; FILING DATE: August 14, 1996

; APPLICATION NUMBER: 60/008,809

; FILING DATE: December 18, 1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 231/282

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 344 amino acids

; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-09-283-011-3

Query Match 69.4%; Score 34; DB 3; Length 344;  
Best Local Similarity 55.8%; Pred. No. 91;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 LGRPPPEETS 9  
: |||||:  
Db 268 VGNPPESA 276

Search completed: June 9, 2004, 11:03:07  
Job time : 13.3261 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 36.1957 Seconds  
(without alignments)  
69.954 Million cell updates/sec

Title: US-09-736-076-18  
Perfect score: 49  
Sequence: 1 LGRPPFETS 9

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database : Published Applications AA:  
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12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
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15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
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17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	49	100.0	9	9	US-09-736-076-18
2	49	100.0	11	9	US-09-736-076-19
3	46	93.9	400	14	US-10-026-021-5
4	46	93.9	469	14	US-10-059-585-14
5	46	93.9	685	9	US-09-771-161A-249
6	46	93.9	685	9	US-09-771-161A-250
7	46	93.9	685	9	US-09-771-161A-251
8	46	93.9	685	10	US-09-769-970-1
9	46	93.9	685	12	US-10-260-708-69
10	46	93.9	685	14	US-10-024-298A-101
11	46	93.9	685	14	US-10-042-211A-101
12	46	93.9	685	16	US-10-617-217A-101
13	46	93.9	753	15	US-10-264-049-3124
14	43	87.8	20	9	US-09-736-076-6
15	43	87.8	329	9	US-09-925-300-1268

16	43	87.8	367	14	US-10-026-021-6	Sequence 6, Appli
17	43	87.8	516	9	US-09-771-161A-123	Sequence 123, App
18	43	87.8	603	9	US-09-771-161A-214	Sequence 214, App
19	43	87.8	603	12	US-10-026-021-2	Sequence 2, Appli
20	43	87.8	603	14	US-10-171-311-186	Sequence 186, App
21	43	87.8	603	16	US-10-188-832-110	Sequence 110, App
22	43	87.8	603	16	US-10-408-765A-2279	Sequence 2279, App
23	43	87.8	629	12	US-10-425-114-37525	Sequence 37525, A
24	41	83.7	521	15	US-10-369-493-5956	Sequence 5956, Ap
25	40	81.6	9	9	US-09-736-076-15	Sequence 15, Appl
26	40	81.6	10	9	US-09-736-076-57	Sequence 57, Appl
27	40	81.6	379	14	US-10-026-021-3	Sequence 3, Appli
28	40	81.6	928	12	US-10-425-114-37528	Sequence 37528, A
29	40	81.6	970	14	US-10-026-021-2	Sequence 2, Appli
30	40	81.6	970	16	US-10-408-765A-1916	Sequence 1916, Ap
31	37	75.5	9	9	US-09-736-076-17	Sequence 17, Appl
32	37	75.5	229	12	US-10-424-599-149900	Sequence 149900,
33	37	75.5	320	12	US-10-403-571-98	Sequence 98, Appl
34	36	73.5	101	12	US-10-424-599-239090	Sequence 239090,
35	36	73.5	137	12	US-10-276-774-1652	Sequence 1652, Ap
36	36	73.5	256	12	US-10-282-122A-54433	Sequence 54433, A
37	36	73.5	310	15	US-10-374-780A-852	Sequence 852, App
38	36	73.5	373	14	US-10-026-021-4	Sequence 4, Appli
39	36	73.5	505	14	US-10-156-761-14310	Sequence 14310, A
40	36	73.5	607	10	US-09-769-970-15	Sequence 15, Appl
41	36	73.5	607	14	US-10-108-580-2	Sequence 2, Appli
42	36	73.5	607	14	US-10-204-041-16	Sequence 16, Appl
43	36	73.5	899	14	US-10-318-906A-48	Sequence 48, Appl
44	36	73.5	899	14	US-10-319-236A-48	Sequence 48, Appl
45	36	73.5	1210	9	US-09-922-217-692	Sequence 692, App

ALIGNMENTS

RESULT 1  
US-09-736-076-18  
; Sequence 18, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(9)  
; OTHER INFORMATION: position 7 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J45  
US-09-736-076-18

Query Match 100.0%; Score 49; DB 9; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1e+06;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9  
Db 1 LGRPPFETS 9

RESULT 2

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US-09-736-076-19
; Sequence 19, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(0)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0)...(11)
; OTHER INFORMATION: J46
US-09-736-076-19

Query Match      100.0%; Score 49; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.044;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 3 LGRPPFETS 11

RESULT 3
US-10-026-021-5
; Sequence 5, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)...(400)
; OTHER INFORMATION: human SNK mitotic kinase kinase domain
US-10-026-021-5

Query Match      93.9%; Score 46; DB 14; Length 400;
Best Local Similarity 88.9%; Pred. No. 5;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 275 LGRPPPFET 283
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RESULT 4
US-10-059-585-14
; Sequence 14, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Oca, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-14

Query Match      93.9%; Score 46; DB 14; Length 469;
Best Local Similarity 88.9%; Pred. No. 5.8;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 59 LGRPPPFET 67

RESULT 5
US-09-771-161A-249
; Sequence 249, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 249
; LENGTH: 685
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-249

Query Match          93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
Db 275 LGRPPFFET 283

RESULT 6
US-09-771-161A-250
; Sequence 250, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-250

Query Match          93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
Db 275 LGRPPFFET 283

RESULT 7
US-09-771-161A-251
; Sequence 251, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 251
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-251

Query Match          93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 LGRPPFFETS 9
Db 275 LGRPPFFET 283

RESULT 8
US-09-769-970-1
; Sequence 1, Application US/09769970
; Publication No. US20030170219A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Jennifer L.
; Hillman, Jennifer L.
; Corley, Neil C.
; Guegler, Karl G.
; Lal, Preeti
; Goli, Surya K.
; Shah, Purvi
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/769,970
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/272,796
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0321 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 685 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: HUVEN0301
; CLONE: 39043
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-769-970-1

Query Match          93.9%; Score 46; DB 10; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
Db 275 LGRPPFFET 283

RESULT 9
US-10-260-708-69
; Sequence 69, Application US/10260708
; Publication No. US20040063101A1
```

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; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Lee, Sang-Yull
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Human Sarcoma-Associated Antigens
; FILE REFERENCE: L00461/70138
; CURRENT APPLICATION NUMBER: US/10/260,708
; CURRENT FILING DATE: 2002-03-30
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
; LENGTH: 685
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-260-708-69

Query Match          93.9%; Score 46; DB 12; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
DB 275 LGRPPFFETT 283

RESULT 10
US-10-024-298A-101
; Sequence 101, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAHU KASEI KABUSHIKI KAISHA
; APPLICANT: AKIO MATSUDA
; APPLICANT: GOICHI HONDA
; APPLICANT: SHUJI MURAMATSU
; APPLICANT: YUKIKO NAGANO
; TITLE OF INVENTION: NF-K B Activating Gene
; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-024-298A-101

Query Match          93.9%; Score 46; DB 14; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
DB 275 LGRPPFFETT 283

RESULT 11
US-10-042-211A-101
; Sequence 101, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NFkB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-042-211A-101

Query Match          93.9%; Score 46; DB 16; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
DB 275 LGRPPFFETT 283

RESULT 12
US-10-617-217A-101
; Sequence 101, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NF-KB ACTIVATING GENE
; FILE REFERENCE: 1254-0229P
; CURRENT APPLICATION NUMBER: US/10/617,217A
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-617-217A-101

Query Match          93.9%; Score 46; DB 14; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFFETS 9
DB 275 LGRPPFFETT 283

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RESULT 13
US-10-264-049-3124
; Sequence 3124, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Bires et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 3124
; LENGTH: 753
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (33)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; US-10-264-049-3124

Query Match      93.9%; Score 46; DB 15; Length 753;
Best Local Similarity 88.9%; Pred. No. 9.2;
Matches      8; Conservative      1; Mismatches      0; Indels      0; Gaps      0;

Qy      1 LGRPPFPETS 9
Db      343 LGRPPFPET 351

RESULT 14
US-09-736-076-6
; Sequence 6, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: POLO
; US-09-736-076-6

Query Match      87.8%; Score 43; DB 9; Length 20;
Best Local Similarity 77.8%; Pred. No. 0.91;
Matches      7; Conservative      2; Mismatches      0; Indels      0; Gaps      0;

Qy      1 LGRPPFPETS 9
Db      5 VGRPPFPETS 13

RESULT 15
US-09-925-300-1268
; Sequence 1268, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,

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; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1268
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (59)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (307)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (308)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (314)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (317)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (323)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (327)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (328)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (329)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-925-300-1268

Query Match      87.8%; Score 43; DB 9; Length 329;
Best Local Similarity 77.8%; Pred. No. 14;
Matches      7; Conservative      2; Mismatches      0; Indels      0; Gaps      0;

Qy      1 LGRPPFPETS 9
Db      262 VGRPPFPETS 270

RESULT 16
US-10-026-021-6
; Sequence 6, Application US/10026021
; Publication No. US2003002756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01

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; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(367)
; OTHER INFORMATION: human PLK1 mitotic kinase domain
US-10-026-021-6

Query Match      87.8%; Score 43; DB 14; Length 367;
Best Local Similarity 77.8%; Pred. No. 15;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 LGRPPPTS 9
Db      246 VGKPPPTS 254

RESULT 17
US-09-771-161A-123
; Sequence 123, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 123
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-123

Query Match      87.8%; Score 43; DB 9; Length 516;
Best Local Similarity 77.8%; Pred. No. 22;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 LGRPPPTS 9
Db      159 VGKPPPTS 167

RESULT 18
US-09-771-161A-214
; Sequence 214, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 214

; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-214

Query Match      87.8%; Score 43; DB 9; Length 603;
Best Local Similarity 77.8%; Pred. No. 25;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 LGRPPPTS 9
Db      246 VGKPPPTS 254

RESULT 19
US-10-406-901-2
; Sequence 2, Application US/10406901
; Publication No. US20040033578A1
; GENERAL INFORMATION:
; APPLICANT: Strebhardt, Klaus; Rubsamen-Waigmann, Helga;
;           Holtrich, Uwe
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
;           THREONINE-KINASE FAMILY
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591-5144
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
; COMPUTER: NEC Powermate SX-20
; OPERATING SYSTEM: DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/406,901
; FILING DATE: 03-Apr-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/634,443
; FILING DATE: 08-Aug-2000
; APPLICATION NUMBER: US/08/601,014
; FILING DATE: 23-FEB-1996
; APPLICATION NUMBER: PCT/EP94/02863
; FILING DATE: 30-AUG-1994
; APPLICATION NUMBER: DE 4329177
; FILING DATE: 30-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurt G. Briscoe
; REGISTRATION NUMBER: 33,141
; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 332-1700
; TELEFAX: (914) 332-1844
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 603 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-406-901-2

Query Match      87.8%; Score 43; DB 12; Length 603;
Best Local Similarity 77.8%; Pred. No. 25;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 LGRPPPTS 9
;           :|:|||||
```



Db 246 VGKPPFETS 254

RESULT 20

US-10-171-311-186

Sequence 186, Application US/10171311

Publication No. US20030087270A1

GENERAL INFORMATION:

APPLICANT: Schlegel, Robert

APPLICANT: Chen, Yan

APPLICANT: Zhao, Xumei

APPLICANT: Monahan, John

APPLICANT: Kamatkar, Shubhangi

APPLICANT: Glatt, Karen

APPLICANT: Gannavarapu, Manjula

APPLICANT: Hoarsh, Sebastian

TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR

TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY

TITLE OF INVENTION: OF CERVICAL CANCER

FILE REFERENCE: MRI-035

CURRENT APPLICATION NUMBER: US/10/171,311

CURRENT FILING DATE: 2002-06-12

PRIOR APPLICATION NUMBER: US 60/298,159

PRIOR FILING DATE: 2001-06-13

PRIOR APPLICATION NUMBER: US 60/298,155

PRIOR FILING DATE: 2001-06-13

PRIOR APPLICATION NUMBER: US 60/335,936

PRIOR FILING DATE: 2001-11-14

NUMBER OF SEQ ID NOS: 238

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 186

LENGTH: 603

TYPE: PRT

ORGANISM: Homo sapiens

US-10-171-311-186

Query Match 87.8%; Score 43; DB 14; Length 603;

Best Local Similarity 77.8%; Pred. No. 25;

Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9

Db 246 VGKPPFETS 254

RESULT 21

US-10-188-832-110

Sequence 110, Application US/10188832

Publication No. US20040076955A1

GENERAL INFORMATION:

APPLICANT: Mack, David H.

APPLICANT: Aziz, Natasha

TITLE OF INVENTION: Eos Biotechnology, Inc.

TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions

TITLE OF INVENTION: and Methods of Screening for Modulators of Bladder

TITLE OF INVENTION: Cancer

FILE REFERENCE: 018501-002330US

CURRENT APPLICATION NUMBER: US/10/188,832

CURRENT FILING DATE: 2002-11-22

PRIOR APPLICATION NUMBER: US 60/302,814

PRIOR FILING DATE: 2001-07-03

PRIOR APPLICATION NUMBER: US 60/310,099

PRIOR FILING DATE: 2001-08-03

PRIOR APPLICATION NUMBER: US 60/343,705

PRIOR FILING DATE: 2001-11-08

PRIOR APPLICATION NUMBER: US 60/350,666

PRIOR FILING DATE: 2001-11-13

PRIOR APPLICATION NUMBER: US 60/372,246

PRIOR FILING DATE: 2002-04-12

NUMBER OF SEQ ID NOS: 207

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 110

LENGTH: 603

TYPE: PRT

ORGANISM: Homo sapiens

US-10-188-832-110

Query Match 87.8%; Score 43; DB 16; Length 603;

Best Local Similarity 77.8%; Pred. No. 25;

Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9

Db 246 VGKPPFETS 254

RESULT 22

US-10-408-765A-2279

Sequence 2279, Application US/10408765A

Publication No. US20040101874A1

GENERAL INFORMATION:

APPLICANT: Ghosh, Soumitra S.

APPLICANT: Fahy, Bojin D.

APPLICANT: Zhang, Bing

APPLICANT: Gibson, Bradford W.

APPLICANT: Taylor, Steven W.

APPLICANT: Glenn, Gary M.

APPLICANT: Warnock, Dale E.

TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION

TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME

FILE REFERENCE: 660088.465

CURRENT APPLICATION NUMBER: US/10/408,765A

CURRENT FILING DATE: 2003-04-04

NUMBER OF SEQ ID NOS: 3077

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2279

LENGTH: 603

TYPE: PRT

ORGANISM: Homo sapiens

US-10-408-765A-2279

Query Match 87.8%; Score 43; DB 16; Length 603;

Best Local Similarity 77.8%; Pred. No. 25;

Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9

Db 246 VGKPPFETS 254

RESULT 23

US-10-425-114-37525

Sequence 37525, Application US/10425114

Publication No. US20040034888A1

GENERAL INFORMATION:

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua

APPLICANT: Kovalic, David K.

APPLICANT: Screen, Steven E.

APPLICANT: Tabaska, Jack E.

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53313)B

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 37525

LENGTH: 629

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: Clone ID: LIB4119-067-D3\_FLI.pgp

US-10-425-114-37525

Query Match 87.8%; Score 43; DB 12; Length 629;

Best Local Similarity 77.8%; Pred. No. 26;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9  
Db 272 VGKPPFETS 280

RESULT 24  
US-10-369-493-5956  
; Sequence 5956, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 5956  
; LENGTH: 521  
; TYPE: PRT  
; ORGANISM: Caenorhabditis elegans  
US-10-369-493-5956

Query Match 83.7%; Score 41; DB 15; Length 521;  
Best Local Similarity 77.8%; Pred. No. 49;  
Matches 7; Conservative 1; Mismatches 0; Indels 1; Gaps 0;

QY 1 LGRPPFETS 9  
Db 403 LGRPPFQAS 411

RESULT 25  
US-09-736-076-15  
; Sequence 15, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLTATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: 542  
US-09-736-076-15

Query Match 81.6%; Score 40; DB 9; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1e+06;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPE 7  
Db 3 LGRPPPE 9

RESULT 26  
US-09-736-076-57  
; Sequence 57, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 57  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: MYRISTATE  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 10 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(10)  
; OTHER INFORMATION: SNK  
US-09-736-076-57

Query Match 81.6%; Score 40; DB 9; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.6;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPE 7  
Db 4 LGRPPPE 10

RESULT 27  
US-10-026-021-3  
; Sequence 3, Application US/10026021  
; Publication No. US20030027756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoshi, Yasumichi  
; APPLICANT: Jenkins, Susan  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: US 60/309,632  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (1)...(379)  
; OTHER INFORMATION: SAK serine/threonine kinase domain  
US-10-026-021-3

Query Match 81.6%; Score 40; DB 14; Length 379;  
Best Local Similarity 75.0%; Pred. No. 54;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPET 8  
:|||||:  
Db 206 IGRPPFDT 213

## RESULT 28

US-10-425-114-37528  
; Sequence 37528, Application US/10425114  
; Publication No. US2004003488A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 37528  
; LENGTH: 928  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4119-112-B4\_FLI.pep  
US-10-425-114-37528

Query Match 81.6%; Score 40; DB 12; Length 928;  
Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPET 8  
:|||||:  
Db 164 IGRPPFDT 171

## RESULT 29

US-10-026-021-2  
; Sequence 2, Application US/10026021  
; Publication No. US2003002756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoshi, Yasumichi  
; APPLICANT: Demo, Susan  
; APPLICANT: Jenkins, Yonchu  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 970  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: human SAK serine/threonine kinase  
US-10-026-021-2

Query Match 81.6%; Score 40; DB 14; Length 970;  
Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPET 8  
:|||||:  
Db 206 IGRPPFDT 213

## RESULT 30

US-10-408-765A-1916  
; Sequence 1916, Application US/10408765A  
; Publication No. US20040101874A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Soumitra S.  
; APPLICANT: Fahy, Eoin D.  
; APPLICANT: Zhang, Bing  
; APPLICANT: Gibson, Bradford W.  
; APPLICANT: Taylor, Steven W.  
; APPLICANT: Glenn, Gary M.  
; APPLICANT: Warnock, Dale E.  
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
; FILE REFERENCE: 660088.465  
; CURRENT APPLICATION NUMBER: US/10/408,765A  
; CURRENT FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 3077  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1916  
; LENGTH: 970  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-408-765A-1916

Query Match 81.6%; Score 40; DB 16; Length 970;  
Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPET 8  
:|||||:  
Db 206 IGRPPFDT 213

## RESULT 31

US-09-736-076-17  
; Sequence 17, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLTATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J43.1  
US-09-736-076-17

Query Match 75.5%; Score 37; DB 9; Length 9;  
Best Local Similarity 85.7%; Pred. No. 1e+06;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPPET 7  
:|||||:  
Db 3 LGKPPPE 9

```

; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 239090
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_57923C.1.pap
US-10-424-599-239090

Query Match      73.5%; Score 36; DB 12; Length 101;
Best Local Similarity 75.0%; Pred. No. 75;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 LGRPPPET 8
        |||||
DB      73 LGRPPPET 80

RESULT 35
US-10-276-774-1652
; Sequence 1652, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 1652
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-1652

Query Match      73.5%; Score 36; DB 12; Length 137;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 GRPPPE 7
        |||||
DB      86 GRPPPE 91

RESULT 36
US-10-282-122A-54433
; Sequence 54433, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Hasebeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant

```

```

; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54433
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Campylobacter jejuni
US-10-282-122A-54433

```

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Query Match 73.5%; Score 36; DB 12; Length 256;
Best Local Similarity 77.8%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 1 LGPRPFETS 9
Db 27 LGYPFFEMS 35

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RESULT 37
US-10-374-780A-852
; Sequence 852, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09

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; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; NUMBER OF SEQ ID NOS: 2906
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 852
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Orthologous to G504
US-10-374-780A-852

```

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Query Match 73.5%; Score 36; DB 15; Length 310;
Best Local Similarity 75.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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QY 1 LGPRPFET 8
Db 120 VGRPFMET 127

```

```

RESULT 38
US-10-026-021-4
; Sequence 4, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 373
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(373)
; OTHER INFORMATION: human FNK mitotic kinase kinase domain
US-10-026-021-4

```

```

Query Match 73.5%; Score 36; DB 14; Length 373;
Best Local Similarity 75.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 2 GRPFETS 9
Db 256 GSPPFETA 263

```

```

RESULT 39
US-10-156-761-14310
; Sequence 14310, Application US/10156761

```

Publication No. US20030119018A1  
; GENERAL INFORMATION:  
; APPLICANT: OMURA, SATOSHI  
; APPLICANT: IKEDA, HARUO  
; APPLICANT: ISHIKAWA, JUN  
; APPLICANT: HORIKAWA, HIROSHI  
; APPLICANT: SHIBA, TADAYOSHI  
; APPLICANT: SAKAKI, YOSHIYUKI  
; APPLICANT: HATTORI, MASAHIRA  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-262  
; CURRENT APPLICATION NUMBER: US/10/156,761  
; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: JP 2001-204089  
; PRIOR FILING DATE: 2001-05-30  
; PRIOR APPLICATION NUMBER: JP 2001-272697  
; PRIOR FILING DATE: 2001-08-02  
; NUMBER OF SEQ ID NOS: 15109  
; SEQ ID NO 14310  
; LENGTH: 505  
; TYPE: PRT  
; ORGANISM: Streptomyces avermitilis  
US-10-156-761-14310

Query Match 73.5%; Score 36; DB 14; Length 505;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRPFFE 7  
| | | | |  
Db 305 GRPFFE 310

RESULT 40  
US-09-769-970-15  
; Sequence 15, Application US/09769970  
; Publication No. US20030170219A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; Hillman, Jennifer L.  
; Corley, Neil C.  
; Guegler, Karl G.  
; Lal, Preeti  
; Goli, Surva K.  
; Shah, Purvi  
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
; KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/769,970  
; FILING DATE: 24-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/272,796  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J J  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0321 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166  
TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 607 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1827450  
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
US-09-769-970-15  
  
Query Match 73.5%; Score 36; DB 10; Length 607;  
Best Local Similarity 75.0%; Pred. No. 4.3e+02;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
  
QY 2 GRPPFETS 9  
| | | | |  
Db 217 GSPPFETA 224  
  
Search completed: June 9, 2004, 11:22:06  
Job time : 36.1957 secs



```

; OTHER INFORMATION: /note="serine-NH2"
US-08-861-338-19

Query Match 100.0%; Score 58; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11
DB 1 MLLGRPPFFTS 11

RESULT 2
US-08-252-995D-12
; Sequence 12, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
US-08-252-995D-12

Query Match 94.8%; Score 55; DB 1; Length 272;
Best Local Similarity 90.9%; Pred. No. 0.012;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11
DB 199 MLLGRPPFFTT 209

RESULT 3
US-08-834-108-12
; Sequence 12, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ FOR WINDOWS Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
US-08-834-108-12

Query Match 94.8%; Score 55; DB 2; Length 272;
Best Local Similarity 90.9%; Pred. No. 0.012;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11
DB 199 MLLGRPPFFTT 209

RESULT 4
US-08-878-989-1
; Sequence 1, Application US/08878989
; Patent No. 5885803
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; APPLICANT: Lal, Preeti
; APPLICANT: Goli, Surya K.
; APPLICANT: Shah, Survi
; TITLE OF INVENTION: DISBASE ASSOCIATED PROTEIN KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ FOR WINDOWS Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/878,989-1
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
US-08-878-989-1

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APPLICATION NUMBER: US/08/878,989  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HUVENOB01  
CLONE: 39043  
US-08-878-989-1

Query Match 94.8%; Score 55; DB 2; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.032;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFFTS 11  
Db 273 MLLGRPPFFET 283

RESULT 5  
US-09-136-282-2  
Sequence 2, Application US/09136282  
Patent No. 6063609  
GENERAL INFORMATION:  
APPLICANT: ANDERSON, KAREN  
APPLICANT: JACKSON, JEFFREY  
APPLICANT: HANSBURY, MICHAEL  
APPLICANT: NERURKAR, SANDHYA  
APPLICANT: ROSHAK, AMY  
APPLICANT: BOUZYK, MARK  
TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Ratner & Prestia  
STREET: P.O. Box 980  
CITY: Valley Forge  
STATE: PA  
COUNTRY: USA  
ZIP: 19482  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/136,282  
FILING DATE: 20-AUG-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/056,112  
FILING DATE: 20-AUG-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Prestia, Paul F  
REGISTRATION NUMBER: 23,031  
REFERENCE/DOCKET NUMBER: GH-70231  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-407-0700  
TELEFAX: 610-407-0700

TELEX: 846169  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-136-282-2

Query Match 94.8%; Score 55; DB 3; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.032;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFFTS 11  
Db 273 MLLGRPPFFET 283

RESULT 6  
US-09-272-796-1  
Sequence 1, Application US/09272796  
Patent No. 6207148  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Corley, Neil C.  
APPLICANT: Guegler, Karl G.  
APPLICANT: Lal, Preeti  
APPLICANT: Goli, Surya K.  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
TITLE OF INVENTION: KINASES  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/272,796  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/878,989  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 685 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HUVENOB01  
CLONE: 39043  
US-09-272-796-1

Query Match 94.8%; Score 55; DB 3; Length 685;



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; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"
;
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: /note= "Serine-NH2"
;
US-08-861-338-18
```

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Query Match 84.5%; Score 49; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 3 LGRPPFFTS 11
Db 1 LGRPPFFTS 9
```

```
RESULT 10
US-08-861-338-6
; Sequence 6, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Millitia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861.338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
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```
US-08-861-338-6
Query Match 84.5%; Score 49; DB 3; Length 20;
Best Local Similarity 72.7%; Pred. No. 0.01;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 MLLGRPPFFTS 11
Db 3 LLVGKPPFFTS 13
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```
RESULT 11
US-08-252-995D-14
; Sequence 14, Application US/08252995D
; Patent No. 5650501
```

```
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252.995D
; FILING DATE: 02-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdgydk, Linda M
```

```
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
;
US-08-252-995D-14
```

```
Query Match 84.5%; Score 49; DB 1; Length 272;
Best Local Similarity 72.7%; Pred. No. 0.16;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 MLLGRPPFFTS 11
Db 199 LLVGKPPFFTS 209
```

```
RESULT 12
US-08-834-108-14
; Sequence 14, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/834,108
```

```
;
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurdydyk, Linda M
; REGISTRATION NUMBER: 34,971
; REFERENCE/DOCKET NUMBER: 3153-210
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 272 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; US-08-834-108-14

Query Match 84.5%; Score 49; DB 2; Length 272;
Best Local Similarity 72.7%; Pred. No. 0.16;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
Db 199 LLVGKPPFETS 209

RESULT 13
US-09-198-122-2
; Sequence 2, Application US/09198122
; Patent No. 6180380
; GENERAL INFORMATION:
; APPLICANT: Streibhardt, Klaus; Rubsamen-Waigmann, Helga;
; APPLICANT: Holtrich, Uwe
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
; TITLE OF INVENTION: THREONINE-KINASE FAMILY
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591-5144
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
; MEDIUM TYPE: storage
; COMPUTER: NEC Powermate SX-20
; OPERATING SYSTEM: DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/198,122
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/601,014
; FILING DATE: 23-FEB-1996
; APPLICATION NUMBER: PCT/EP94/02863
; FILING DATE: 30-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 4329177
; FILING DATE: 30-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurt G. Briscoe
; REGISTRATION NUMBER: 33,141
; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 332-1700
; TELEFAX: (914) 332-1844
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:

;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 603 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-09-198-122-2

Query Match 84.5%; Score 49; DB 3; Length 603;
Best Local Similarity 72.7%; Pred. No. 0.37;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
Db 244 LLVGKPPFETS 254

RESULT 14
US-09-311-311C-26
; Sequence 26, Application US/09311311C
; Patent No. 6358738
; GENERAL INFORMATION:
; APPLICANT: Erikson, et al.
; TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
; TITLE OF INVENTION: METHODS, AND USES THEREFOR
; FILE REFERENCE: 1874/117
; CURRENT APPLICATION NUMBER: US/09/311,311C
; CURRENT FILING DATE: 1999-05-13
; PRIOR APPLICATION NUMBER: US 60/085,296
; PRIOR FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)...(603)
; OTHER INFORMATION: Plk protein
; US-09-311-311C-26

Query Match 84.5%; Score 49; DB 4; Length 603;
Best Local Similarity 72.7%; Pred. No. 0.37;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
Db 244 LLVGKPPFETS 254

RESULT 15
US-08-861-338-17
; Sequence 17, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
```

; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 17:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "N-Acetyl Methionine"  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of  
; OTHER INFORMATION: Glutamine Acid-NH2"  
US-08-861-338-17

Query Match 79.3%; Score 46; DB 3; Length 9;  
Best Local Similarity 88.9%; Pred. No. 3e+05;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9  
|||:||||  
Db 1 MLLGKPPFE 9

RESULT 16  
US-08-252-995D-10  
; Sequence 10, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: MSH 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 02-JUN-1994  
; APPLICATION NUMBER: US/08/252,995D  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid

; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
US-08-252-995D-10

Query Match 79.3%; Score 46; DB 1; Length 273;  
Best Local Similarity 70.0%; Pred. No. 0.57;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFET 10  
:|:|||||:  
Db 200 LLIGRPFFDT 209

RESULT 17  
US-08-834-108-10  
; Sequence 10, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: MSH 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
US-08-834-108-10

Query Match 79.3%; Score 46; DB 2; Length 273;  
Best Local Similarity 70.0%; Pred. No. 0.57;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFET 10  
:|:|||||:  
Db 200 LLIGRPFFDT 209

RESULT 18  
US-08-252-995D-2  
; Sequence 2, Application US/08252995D  
; Patent No. 5650501

```
/
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: MSH 3Y2
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/252,995D
/ FILING DATE: 02-JUN-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 416 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/
/ US-08-252-995D-2
/
/ Query Match 79.3%; Score 46; DB 1; Length 416;
/ Best Local Similarity 70.0%; Pred. No. 0.89;
/ Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 MLLGRPPFET 10
/ Db 204 LLIGRPFFT 213
/
/ RESULT 19
/ US-08-834-108-2
/ Sequence 2, Application US/08834108
/ Patent No. 5976893
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: MSH 3Y2
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/834,108
/ FILING DATE:
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
```

```
/
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-210
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 416 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/
/ US-08-834-108-2
/
/ Query Match 79.3%; Score 46; DB 2; Length 416;
/ Best Local Similarity 70.0%; Pred. No. 0.89;
/ Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 MLLGRPPFET 10
/ Db 204 LLIGRPFFT 213
/
/ RESULT 20
/ US-08-252-995D-6
/ Sequence 6, Application US/08252995D
/ Patent No. 5650501
/ GENERAL INFORMATION:
/ APPLICANT: Dennis, James W
/ APPLICANT: Heffernan, Mike
/ APPLICANT: Fode, Carol
/ TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BERESKIN & PARR
/ STREET: 40 King Street West
/ CITY: Toronto
/ STATE: Ontario
/ COUNTRY: Canada
/ ZIP: MSH 3Y2
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/252,995D
/ FILING DATE: 02-JUN-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurdydyk, Linda M
/ REGISTRATION NUMBER: 34,971
/ REFERENCE/DOCKET NUMBER: 3153-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (416) 364-7311
/ TELEFAX: (416) 361-1398
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 464 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/
/ US-08-252-995D-6
/
/ Query Match 79.3%; Score 46; DB 1; Length 464;
/ Best Local Similarity 70.0%; Pred. No. 1;
/ Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 MLLGRPPFET 10
/ Db 204 LLIGRPFFT 213
```

RESULT 21  
US-08-834-108-6  
; Sequence 6, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 464 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-834-108-6

Query Match 79.3%; Score 46; DB 2; Length 464;  
Best Local Similarity 70.0%; Pred. No. 1;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFET 10  
DB 204 LLIGRPPFDT 213

RESULT 22  
US-08-252-995D-4  
; Sequence 4, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 925 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-252-995D-4

Query Match 79.3%; Score 46; DB 1; Length 925;  
Best Local Similarity 70.0%; Pred. No. 2.1;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFET 10  
DB 204 LLIGRPPFDT 213

RESULT 23  
US-08-834-108-4  
; Sequence 4, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 925 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-834-108-4

Query Match 79.3%; Score 46; DB 2; Length 925;  
Best Local Similarity 70.0%; Pred. No. 2.1;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFET 10

Db 204 LLGPPPT 213  
:|:|:|:|:|

RESULT 24  
US-08-252-995D-11  
; Sequence 11, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: MSH 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-1398  
; TELEFAX: (416) 364-1398  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 271 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Drosophila melanogaster  
US-08-252-995D-11

Query Match 75.9%; Score 44; DB 1; Length 271;  
Best Local Similarity 70.0%; Pred. No. 1.3;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGPPPT 10  
:|:|:|:|:|  
Db 198 LLVQPPPT 207

RESULT 25  
US-08-834-108-11  
; Sequence 11, Application US/08834108  
; Patent No. 5976893  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada

; ZIP: MSH 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/834,108  
; FILING DATE:  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdydyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-210  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 364-1398  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 271 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Drosophila melanogaster  
US-08-834-108-11

Query Match 75.9%; Score 44; DB 2; Length 271;  
Best Local Similarity 70.0%; Pred. No. 1.3;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGPPPT 10  
:|:|:|:|:|  
Db 198 LLVQPPPT 207

RESULT 26  
US-08-861-338-16  
; Sequence 16, Application US/08861338  
; Patent No. 6174993  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson, Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/861,338  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brook, David E.  
; REGISTRATION NUMBER: 22,592  
; REFERENCE/DOCKET NUMBER: CMCC-590  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 861-6240  
; TELEFAX: (781) 861-9540  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid



STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "N-Acetyl Methionine"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 8  
OTHER INFORMATION: /note= "Phenylalanine-NH2"  
US-08-861-338-16

Query Match 70.7%; Score 41; DB 3; Length 8;  
Best Local Similarity 87.5%; Pred. No. 3e+05; Indels 0;  
Matches 7; Conservative 1; Mismatches 0; Gaps 0;

QY 1 MLLGRPPF 8  
Db 1 MLLGKPPF 8

RESULT 27  
US-08-878-989-15  
; Sequence 15, Application US/08878989  
; Patent No. 5885803  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Guegler, Karl G.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Goli, Suriya K.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
; TITLE OF INVENTION: KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/878,989  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J J  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0321 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 607 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1827450

US-08-878-989-15  
Query Match 70.7%; Score 41; DB 2; Length 607;  
Best Local Similarity 63.6%; Pred. No. 11;  
Matches 7; Conservative 2; Mismatches 0; Gaps 0;  
QY 1 MLLGRPPFETS 11  
Db 214 LLCGPPPFETA 224

RESULT 28  
US-09-272-796-15  
; Sequence 15, Application US/09272796  
; Patent No. 6207148  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Guegler, Karl G.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Goli, Suriya K.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
; TITLE OF INVENTION: KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/272,796  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/878,989  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J J  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0321 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 607 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1827450  
US-09-272-796-15

Query Match 70.7%; Score 41; DB 3; Length 607;  
Best Local Similarity 63.6%; Pred. No. 11;  
Matches 7; Conservative 2; Mismatches 0; Gaps 0;  
QY 1 MLLGRPPFETS 11  
Db 214 LLCGPPPFETA 224

## RESULT 29

US-08-755-728-3  
; Sequence 3, Application US/08755728  
; Patent No. 5962312  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0  
; CURRENT APPLICATION DATA:  
; FILING DATE: No. 5962312ember 25, 1996  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; APPLICATION NUMBER: 60/023,943  
; FILING DATE: August 14, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 223/113  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 344 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-755-728-3

Query Match 69.0%; Score 40; DB 2; Length 344;  
Best Local Similarity 54.5%; Pred. No. 9.4;  
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGRRPPPTS 11  
Db 266 LLVGNPPFESA 276

## RESULT 30

US-08-974-655-3  
; Sequence 3, Application US/08974655  
; Patent No. 5972676  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon

Query Match 69.0%; Score 40; DB 2; Length 344;  
Best Local Similarity 54.5%; Pred. No. 9.4;  
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGRRPPPTS 11  
Db 266 LLVGNPPFESA 276

; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/974,655  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/755,728  
; FILING DATE: No. 5972676ember 25, 1996  
; APPLICATION NUMBER: 60/008,809  
; FILING DATE: December 18, 1995  
; APPLICATION NUMBER: 60/023,943  
; FILING DATE: August 14, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 223/113  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 344 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-974-655-3

Query Match 69.0%; Score 40; DB 2; Length 344;  
Best Local Similarity 54.5%; Pred. No. 9.4;  
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGRRPPPTS 11  
Db 266 LLVGNPPFESA 276

## RESULT 31

US-09-283-011-3  
; Sequence 3, Application US/09283011  
; Patent No. 6207401  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM Compatible

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; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/283,011
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/012,135
; FILING DATE: January 22, 1998
; APPLICATION NUMBER: 08/755,728
; FILING DATE: NO. 6207401ember 25, 1996
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 231/282
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
;
US-09-283-011-3

Query Match 69.0%; Score 40; DB 3; Length 344;
Best Local Similarity 54.5%; Pred. No. 9.4;
Matches 6; Conservative 4; Mismatches 1; Indels 1; Gaps 0;

QY 1 MLLGRPPFFTS 11
Db 266 LLVGNPPFSA 276

RESULT 32
US-09-016-000-1
; Sequence 1, Application US/09016000
; Patent No. 5962232
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; TITLE OF INVENTION: PROTEIN KINASE MOLECULES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,000
; FILING DATE: HERewith
; CLASSIFICATION:
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0465 US
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 347 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: HMCINOT01
; CLONE: 2940
;
US-09-016-000-1

Query Match 69.0%; Score 40; DB 2; Length 347;
Best Local Similarity 54.5%; Pred. No. 9.5;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11
Db 269 LLVGNPPFSA 279

RESULT 33
US-07-857-224B-17
; Sequence 17, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
; APPLICANT: Benner, Steven A.
; TITLE OF INVENTION: Predicting Folded Structures of Proteins
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steven A. Benner
; STREET: Hadlaubstrasse 151
; CITY: Zurich
; STATE: none
; COUNTRY: Switzerland
; ZIP: (note: this is an international post code) CH-8092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
; OPERATING SYSTEM: Macintosh
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/857,224B
; FILING DATE: 03/25/92
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA: none
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (International) 41 1 632 2830
; TELEFAX: (International) 41 1 262 2437
; TELEX: none
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 264
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: protein
; ORIGINAL SOURCE:
; ORGANISM: Drosophila melanogaster
; FEATURE: Protein kinase; Table 8 Column 18
; PUBLICATION INFORMATION:
; AUTHORS: Hanks, S. K.
```

```

Db      207 MLLGRPLPE 215

RESULT 36
US-08-755-728-4
; Sequence 4, Application US/08755728
; Patent No. 5962312
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,728
; FILING DATE: No. 5962312ember 25, 1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-755-728-4

Query Match 67.2%; Score 39; DB 2; Length 403;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      2 LLGRPPFFTS 11
Db      323 LVGKPPFEAN 332

RESULT 37
US-08-974-655-4
; Sequence 4, Application US/08974655
; Patent No. 5972676
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS

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/ NUMBER OF SEQUENCES: 29
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/974,655
/ FILING DATE:
/ FILING DATE: August 14, 1996
/ FILING DATE: December 18, 1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/755,728
/ FILING DATE: No. 5972676ember 25, 1996
/ APPLICATION NUMBER: 60/008,809
/ FILING DATE: December 18, 1995
/ APPLICATION NUMBER: 60/023,943
/ FILING DATE: August 14, 1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 223/113
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 403 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-974-655-4

Query Match 67.2%; Score 39; DB 2; Length 403;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 2 LLGRPPFFETS 11
|:|:|:|:|:|:
DB 323 LVGKPPFEAN 332

RESULT 38
US-09-283-011-4
/ Sequence 4, Application US/09283011
/ Patent No. 6207401
/ GENERAL INFORMATION:
/ APPLICANT: Plowman, Gregory
/ APPLICANT: Mossie, Kevin
/ TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
/ TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
/ NUMBER OF SEQUENCES: 39
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/283,011
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/012,135
FILING DATE: January 22, 1998
APPLICATION NUMBER: 08/755,728
FILING DATE: No. 6207401ember 25, 1996
APPLICATION NUMBER: 60/023,943
FILING DATE: August 14, 1996
APPLICATION NUMBER: 60/008,809
FILING DATE: December 18, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 231/282
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 403 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-283-011-4

Query Match 67.2%; Score 39; DB 3; Length 403;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 2 LLGRPPFFETS 11
|:|:|:|:|:|:
DB 323 LVGKPPFEAN 332

RESULT 39
US-09-252-991A-28679
/ Sequence 28679, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 28679
/ LENGTH: 259
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
/ US-09-252-991A-28679

Query Match 65.5%; Score 38; DB 4; Length 259;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRPP 7
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Db 152 MLGRPP 158

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RESULT 40  
US-08-252-995D-13  
; Sequence 13, Application US/08252995D  
; Patent No. 5650501  
; GENERAL INFORMATION:  
; APPLICANT: Dennis, James W  
; APPLICANT: Heffernan, Mike  
; APPLICANT: Fode, Carol  
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BERESKIN & PARR  
; STREET: 40 King Street West  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5H 3Y2  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/252,995D  
; FILING DATE: 02-JUN-1994  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurdvyk, Linda M  
; REGISTRATION NUMBER: 34,971  
; REFERENCE/DOCKET NUMBER: 3153-96  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 364-7311  
; TELEFAX: (416) 361-1398  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 275 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: Saccharomyces cerevisiae  
US-08-252-995D-13

Query Match 65.5%; Score 38; DB 1; Length 275;  
Best Local Similarity 55.6%; Pred. No. 18;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRPPFE 9

:|:|:|:

Db 200 LLIGKPPFQ 208

Search completed: June 9, 2004, 11:03:07  
Job time : 15.0652 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 44.2391 Seconds  
(without alignments)  
69.954 Million cell updates/sec

Title: US-09-736-076-19  
Perfect score: 58  
Sequence: 1 MLLGRPPFETS 11

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

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- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
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- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	58	100.0	11	9	US-09-736-076-19
2	55	94.8	400	14	US-10-026-021-5
3	55	94.8	469	14	US-10-059-585-14
4	55	94.8	685	9	US-09-771-161A-249
5	55	94.8	685	9	US-09-771-161A-250
6	55	94.8	685	9	US-09-771-161A-251
7	55	94.8	685	10	US-09-769-970-1
8	55	94.8	685	12	US-10-260-708-69
9	55	94.8	685	14	US-10-024-298A-101
10	55	94.8	685	14	US-10-042-211A-101
11	55	94.8	685	16	US-10-617-217A-101
12	55	94.8	753	15	US-10-264-049-3124
13	49	84.5	9	9	US-09-736-076-15
14	49	84.5	9	9	US-09-736-076-18
15	49	84.5	10	9	US-09-736-076-57

16	49	84.5	20	9	US-09-736-076-6
17	49	84.5	329	9	US-09-925-300-1268
18	49	84.5	367	14	US-10-026-021-6
19	49	84.5	516	9	US-09-771-161A-123
20	49	84.5	603	9	US-09-771-161A-214
21	49	84.5	603	12	US-10-406-901-2
22	49	84.5	603	14	US-10-171-311-186
23	49	84.5	603	16	US-10-188-832-110
24	49	84.5	603	16	US-10-408-765A-2279
25	49	84.5	629	12	US-10-425-114-37525
26	46	79.3	9	9	US-09-736-076-17
27	46	79.3	379	14	US-10-026-021-3
28	46	79.3	928	12	US-10-425-114-37528
29	46	79.3	970	14	US-10-026-021-2
30	46	79.3	970	16	US-10-408-765A-1916
31	45	77.6	521	15	US-10-369-493-5956
32	41	70.7	8	9	US-09-736-076-16
33	41	70.7	210	12	US-10-425-114-63123
34	41	70.7	320	12	US-10-403-571-98
35	41	70.7	373	14	US-10-026-021-4
36	41	70.7	607	10	US-09-769-970-15
37	41	70.7	607	14	US-10-108-580-2
38	41	70.7	607	14	US-10-204-041-16
39	40	69.0	344	9	US-09-012-135A-3
40	40	69.0	344	12	US-10-060-065-13
41	40	69.0	344	14	US-10-059-585-34
42	40	69.0	344	14	US-10-171-311-214
43	40	69.0	344	15	US-10-295-027-203
44	40	69.0	344	15	US-10-173-999-101
45	40	69.0	344	16	US-10-188-832-93

ALIGNMENTS

RESULT 1  
US-09-736-076-19  
; Sequence 19, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; PRIOR FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(11)  
; OTHER INFORMATION: J46  
US-09-736-076-19

Query Match 100.0%; Score 58; DB 9; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.0021;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11

Db 1 MLLGRPPFETS 11

RESULT 2

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US-10-026-021-5
; Sequence 5, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(400)
; OTHER INFORMATION: human SNK mitotic kinase domain
US-10-026-021-5
Query Match          94.8%; Score 55; DB 14; Length 400;
Best Local Similarity 90.9%; Pred. No. 0.25;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
   |||||
Db 273 MLLGRPPFETT 283

RESULT 3
US-10-059-585-14
; Sequence 14, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Ora, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funabashi, Shin-ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-14
Query Match          94.8%; Score 55; DB 14; Length 469;
Best Local Similarity 90.9%; Pred. No. 0.29;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
   |||||
Db 57 MLLGRPPFETT 67

RESULT 4
US-09-771-161A-249
; Sequence 249, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 249
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-249
Query Match          94.8%; Score 55; DB 9; Length 685;
Best Local Similarity 90.9%; Pred. No. 0.42;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
   |||||
Db 273 MLLGRPPFETT 283

RESULT 5
US-09-771-161A-250
; Sequence 250, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-250
```



Query Match 94.8%; Score 55; DB 9; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
||| ||||| |||  
Db 273 MLLGRPPFFET 283

## RESULT 6

US-09-771-161A-251  
; Sequence 251, Application US/09771161A  
; Patent No. US20020110811A1  
; GENERAL INFORMATION:  
; APPLICANT: LEVINE, et al.  
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
; FILE REFERENCE: 802620-2005.1  
; CURRENT APPLICATION NUMBER: US/09/771,161A  
; CURRENT FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 09/724,676  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 136776  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 135619  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 251  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-771-161A-251

Query Match 94.8%; Score 55; DB 9; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
||| ||||| |||  
Db 273 MLLGRPPFFET 283

## RESULT 7

US-09-769-970-1  
; Sequence 1, Application US/09769970  
; Publication No. US20030170219A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; Hillman, Jennifer L.  
; Corley, Neil C.  
; Guegler, Karl G.  
; Lal, Preeti  
; Goli, Surya K.  
; Shah, Purvi  
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: PASCSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/769,970  
; FILING DATE: 24-Jan-2001  
; CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/272,796  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J J  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0321 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
; LENGTH: 685 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: HUVEHOB01  
; CLONE: 39043  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-769-970-1

Query Match 94.8%; Score 55; DB 10; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
||| ||||| |||  
Db 273 MLLGRPPFFET 283

## RESULT 8

US-10-260-708-69  
; Sequence 69, Application US/10260708  
; Publication No. US20040063101A1  
; GENERAL INFORMATION:  
; APPLICANT: Scanlan, Matthew  
; APPLICANT: Lee, Sang-Yull  
; APPLICANT: Old, Lloyd  
; TITLE OF INVENTION: Human Sarcoma-Associated Antigens  
; FILE REFERENCE: L00461/70138  
; CURRENT APPLICATION NUMBER: US/10/260,708  
; CURRENT FILING DATE: 2002-09-30  
; NUMBER OF SEQ ID NOS: 96  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 69  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-260-708-69

Query Match 94.8%; Score 55; DB 12; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
||| ||||| |||  
Db 273 MLLGRPPFFET 283

## RESULT 9

US-10-024-298A-101  
; Sequence 101, Application US/10024298A  
; Publication No. US20030143540A1  
; GENERAL INFORMATION:  
; APPLICANT: ASAH KASEI KABUSHIKI KAISHA  
; APPLICANT: AKIO MATSUDA  
; APPLICANT: Goichi HONDA  
; APPLICANT: Shuji MURAMATSU  
; APPLICANT: YUKIKO NAGANO  
; TITLE OF INVENTION: NF-K B Activating Gene  
; FILE REFERENCE: 1254-0191P

; CURRENT APPLICATION NUMBER: US/10/024,298A  
; CURRENT FILING DATE: 2003-04-08  
; PRIOR APPLICATION NUMBER: 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: 60/278,641  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP254018/2001  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: JP0088912/2001  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP402288/2000  
; PRIOR FILING DATE: 2000-12-28  
; NUMBER OF SEQ ID NOS: 182  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-024-298A-101

Query Match 94.8%; Score 55; DB 14; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11  
|||  
Db 273 MLLGRPPFFTT 283

RESULT 10  
US-10-042-211A-101  
; Sequence 101, Application US/10042211A  
; Publication No. US20030170719A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NF-kB Activating Gene  
; FILE REFERENCE: 1254-0192P  
; CURRENT APPLICATION NUMBER: US/10/042,211A  
; CURRENT FILING DATE: 2002-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-402288  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 182  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-042-211A-101

Query Match 94.8%; Score 55; DB 14; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11  
|||  
Db 273 MLLGRPPFFTT 283

RESULT 11  
US-10-617-217A-101  
; Sequence 101, Application US/10617217A

; Publication No. US20040081986A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NF-kB ACTIVATING GENE  
; FILE REFERENCE: 1254-0229P  
; CURRENT APPLICATION NUMBER: US/10/617,217A  
; CURRENT FILING DATE: 2003-07-11  
; PRIOR APPLICATION NUMBER: JP 2000-402288  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 224  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 685  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-617-217A-101

Query Match 94.8%; Score 55; DB 15; Length 685;  
Best Local Similarity 90.9%; Pred. No. 0.42;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11  
|||  
Db 273 MLLGRPPFFTT 283

RESULT 12  
US-10-264-049-3124  
; Sequence 3124, Application US/10264049  
; Publication No. US20040005579A1  
; GENERAL INFORMATION:  
; APPLICANT: Birse et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PA133P1  
; CURRENT APPLICATION NUMBER: US/10/264,049  
; CURRENT FILING DATE: 2002-10-04  
; PRIOR APPLICATION NUMBER: PCT/US01/18569  
; PRIOR FILING DATE: 2001-06-07  
; PRIOR APPLICATION NUMBER: US 60/209,467  
; PRIOR FILING DATE: 2000-06-07  
; NUMBER OF SEQ ID NOS: 4360  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 3124  
; LENGTH: 753  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (33)-  
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids  
US-10-264-049-3124

Query Match 94.8%; Score 55; DB 15; Length 753;  
Best Local Similarity 90.9%; Pred. No. 0.46;  
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFFTS 11  
|||  
Db 341 MLLGRPPFFTT 351

RESULT 13  
US-09-736-076-15

```
; Sequence 15, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(9)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0)...(9)
; OTHER INFORMATION: J42
US-09-736-076-15

Query Match      84.5%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFEE 9
Db 1 MLLGRPFEE 9

RESULT 14
US-09-736-076-18
; Sequence 18, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(9)
; OTHER INFORMATION: position 7 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0)...(9)
; OTHER INFORMATION: J45
US-09-736-076-18

Query Match      84.5%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 LGRPPFFETS 11
Db 1 LGRPPFFETS 9

RESULT 15
; Sequence 15, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(9)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0)...(9)
; OTHER INFORMATION: J42
US-09-736-076-15

Query Match      84.5%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFEE 9
Db 1 MLLGRPFEE 9

RESULT 14
US-09-736-076-18
; Sequence 18, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(9)
; OTHER INFORMATION: position 7 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0)...(9)
; OTHER INFORMATION: J45
US-09-736-076-18

Query Match      84.5%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 0.069;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFEE 9
Db 2 MLLGRPFEE 10

RESULT 16
US-09-736-076-6
; Sequence 6, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: POLO
US-09-736-076-6

Query Match      84.5%; Score 49; DB 9; Length 20;
Best Local Similarity 72.7%; Pred. No. 0.14;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFEE 11
Db 3 LLVGKPPFETS 13

RESULT 17
US-09-925-300-1268
; Sequence 1268, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1268
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (59)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (307)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (308)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (314)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (317)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (323)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (327)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (328)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (329)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1268
```

```
Query Match      84.5%; Score 49; DB 9; Length 329;
Best Local Similarity 72.7%; Pred. No. 2.2;
Matches      8; Conservative      3; Mismatches      0; Indels      0; Gaps      0;
```

```
QY      1 MLLGRPPFETS 11
      :|:|:|:|:|:|
Db      260 LLVGKPPFETS 270
```

```
RESULT 18
US-10-026-021-6
; Sequence 6, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasunichi
; APPLICANT: Demo, Susan
; APPLICANT: Rigel Pharmaceuticals, Inc.
; APPLICANT: Jenkins, Yonchu
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
```

```
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)-(367)
; OTHER INFORMATION: human PLK1 mitotic kinase kinase domain
US-10-026-021-6
```

```
Query Match      84.5%; Score 49; DB 14; Length 367;
Best Local Similarity 72.7%; Pred. No. 2.5;
Matches      8; Conservative      3; Mismatches      0; Indels      0; Gaps      0;
```

```
QY      1 MLLGRPPFETS 11
      :|:|:|:|:|:|
Db      244 LLVGKPPFETS 254
```

```
RESULT 19
US-09-771-161A-123
; Sequence 123, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 123
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-123
```

```
Query Match      84.5%; Score 49; DB 9; Length 516;
Best Local Similarity 72.7%; Pred. No. 3.4;
Matches      8; Conservative      3; Mismatches      0; Indels      0; Gaps      0;
```

```
QY      1 MLLGRPPFETS 11
      :|:|:|:|:|:|
Db      157 LLVGKPPFETS 167
```

```
RESULT 20
US-09-771-161A-214
; Sequence 214, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: Patentin version 3.0
```

```
; SEQ ID NO 214
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-214

Query Match      84.5%; Score 49; DB 9; Length 603;
Best Local Similarity 72.7%; Pred. No. 4;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGRPPFFTS 11
       :|:|:|:|:|
Db      244 LLVGKPPFFTS 254

RESULT 21
; Sequence 2, Application US/10406901
; Publication No. US20040033578A1
; GENERAL INFORMATION:
; APPLICANT: Strebhardt, Klaus; Rubsamens-Waigmann, Helga;
; APPLICANT: Holtzrich, Uwe
; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
; TITLE OF INVENTION: THREONINE-KINASE FAMILY
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591-5144
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
; storage
; OPERATING SYSTEM: DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/406,901
; FILING DATE: 03-Apr-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/634,443
; FILING DATE: 08-Aug-2000
; APPLICATION NUMBER: US/08/601,014
; FILING DATE: 23-FEB-1996
; APPLICATION NUMBER: PCT/EP94/02863
; FILING DATE: 30-AUG-1994
; APPLICATION NUMBER: DE 4329177
; FILING DATE: 30-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kurt G. Briescoe
; REGISTRATION NUMBER: 33,141
; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 332-1700
; TELEFAX: (914) 332-1844
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 603 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-406-901-2

Query Match      84.5%; Score 49; DB 12; Length 603;
Best Local Similarity 72.7%; Pred. No. 4;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGRPPFFTS 11
```

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; SEQ ID NO 186
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-171-311-186

Query Match      84.5%; Score 49; DB 14; Length 603;
Best Local Similarity 72.7%; Pred. No. 4;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGRPPFFTS 11
       :|:|:|:|:|
Db      244 LLVGKPPFFTS 254

RESULT 22
; Sequence 186, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yan
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Glatt, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoersht, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-171-311-186

Query Match      84.5%; Score 49; DB 14; Length 603;
Best Local Similarity 72.7%; Pred. No. 4;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLLGRPPFFTS 11
       :|:|:|:|:|
Db      244 LLVGKPPFFTS 254

RESULT 23
; Sequence 110, Application US/10188832
; Publication No. US20040076955A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David H.
; APPLICANT: Aziz, Natasha
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions
; TITLE OF INVENTION: and Methods of Screening for Modulators of Bladder
; TITLE OF INVENTION: Cancer
; FILE REFERENCE: 018501-002330US
; CURRENT APPLICATION NUMBER: US/10/188,832
; CURRENT FILING DATE: 2002-11-22
; PRIOR APPLICATION NUMBER: US 60/302,814
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/310,099
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/343,705
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/372,246
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 110
```

; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-188-832-110

Query Match 84.5%; Score 49; DB 16; Length 603;  
Best Local Similarity 72.7%; Pred. No. 4;  
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11  
:|:|:|:|:|  
Db 244 LLVGKPPFETS 254

## RESULT 24

US-10-408-765A-2279  
; Sequence 2279, Application US/10408765A  
; Publication No. US20040101874A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Soumitra S.  
; APPLICANT: Fahy, Eoin D.  
; APPLICANT: Zhang, Bing  
; APPLICANT: Gibson, Bradford W.  
; APPLICANT: Taylor, Steven W.  
; APPLICANT: Glenn, Gary M.  
; APPLICANT: Warnock, Dale E.  
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
; FILE REFERENCE: 660088.465  
; CURRENT APPLICATION NUMBER: US/10/408,765A  
; CURRENT FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 3077  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2279  
; LENGTH: 603  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-408-765A-2279

Query Match 84.5%; Score 49; DB 16; Length 603;  
Best Local Similarity 72.7%; Pred. No. 4;  
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11  
:|:|:|:|:|  
Db 244 LLVGKPPFETS 254

## RESULT 25

US-10-425-114-37525  
; Sequence 37525, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 37525  
; LENGTH: 629  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4119-067-D3\_FLI.pep  
US-10-425-114-37525

Query Match 84.5%; Score 49; DB 12; Length 629;  
Best Local Similarity 72.7%; Pred. No. 4.2;  
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLLGRPPFETS 11  
:|:|:|:|:|  
Db 270 LLVGKPPFETS 280

## RESULT 26

US-09-736-076-17  
; Sequence 17, Application US/09736076  
; Patent No. US20020049301A1  
; GENERAL INFORMATION:  
; APPLICANT: Ben-Sasson Shmuel A.  
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY  
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES  
; FILE REFERENCE: 1242.1015-009  
; CURRENT APPLICATION NUMBER: US/09/736,076  
; CURRENT FILING DATE: 2000-12-13  
; PRIOR APPLICATION NUMBER: US 08/861,338  
; PRIOR FILING DATE: 1997-05-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: ACETYLATION  
; LOCATION: (1)...(0)  
; OTHER INFORMATION: position 9 is benzylester  
; NAME/KEY: AMIDATION  
; LOCATION: (0)...(9)  
; OTHER INFORMATION: J43.1  
US-09-736-076-17

Query Match 79.3%; Score 46; DB 9; Length 9;  
Best Local Similarity 88.9%; Pred. No. 1e+06;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9  
|||:|:|:|  
Db 1 MLLGRPPFE 9

## RESULT 27

US-10-026-021-3  
; Sequence 3, Application US/10026021  
; Publication No. US20030027756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoshi, Yasumichi  
; APPLICANT: Demo, Susan  
; APPLICANT: Jenkins, Yonchu  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; TREATMENT OF CANCER  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: US 60/309,632  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (1)...(379)  
; OTHER INFORMATION: SAK serine/threonine kinase domain  
US-10-026-021-3

Query Match 79.3%; Score 46; DB 14; Length 379;  
Best Local Similarity 70.0%; Pred. No. 8.3;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPFET 10  
Db 204 LLIGRPPFDT 213

RESULT 28  
US-10-425-114-37528  
; Sequence 37528, Application US/10425114  
; Publication No. US2004003488A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 37528  
; LENGTH: 928  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4119-112-B4\_FLI.pgp  
US-10-425-114-37528

Query Match 79.3%; Score 46; DB 12; Length 928;  
Best Local Similarity 70.0%; Pred. No. 20;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPFET 10  
Db 162 LLIGRPPFDT 171

RESULT 29  
US-10-026-021-2  
; Sequence 2, Application US/10026021  
; Publication No. US20030027756A1  
; GENERAL INFORMATION:  
; APPLICANT: Hitoshi, Yasumichi  
; APPLICANT: Demo, Susan  
; APPLICANT: Jenkins, Yonchu  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for  
; TITLE OF INVENTION: Treatment of Cancer  
; FILE REFERENCE: 021044-001210US  
; CURRENT APPLICATION NUMBER: US/10/026,021  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: US 60/309,632  
; PRIOR FILING DATE: 2001-08-01  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 970  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: human SAK serine/threonine kinase  
US-10-026-021-2

Query Match 79.3%; Score 46; DB 14; Length 970;  
Best Local Similarity 70.0%; Pred. No. 21;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPFET 10  
Db 204 LLIGRPPFDT 213

RESULT 30  
US-10-408-765A-1916  
; Sequence 1916, Application US/10408765A  
; Publication No. US2004010187A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Soumitra S.  
; APPLICANT: Fahy, Eoin D.  
; APPLICANT: Zhang, Bing  
; APPLICANT: Gibson, Bradford W.  
; APPLICANT: Taylor, Steven W.  
; APPLICANT: Glenn, Gary M.  
; APPLICANT: Warnock, Dale E.  
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME  
; FILE REFERENCE: 660088.465  
; CURRENT APPLICATION NUMBER: US/10/408,765A  
; CURRENT FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 3077  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1916  
; LENGTH: 970  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-408-765A-1916

Query Match 79.3%; Score 46; DB 16; Length 970;  
Best Local Similarity 70.0%; Pred. No. 21;  
Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGRRPPFET 10  
Db 204 LLIGRPPFDT 213

RESULT 31  
US-10-369-493-5956  
; Sequence 5956, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 5956  
; LENGTH: 521  
; TYPE: PRT  
; ORGANISM: Caenorhabditis elegans  
US-10-369-493-5956

Query Match 77.6%; Score 45; DB 15; Length 521;  
Best Local Similarity 63.6%; Pred. No. 17;  
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLGRRPPFETS 11  
Db 401 LMLGRPPFQAS 411

```
RESULT 32
US-09-736-076-16
; Sequence 16, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)...(8)
; NAME/KEY: AMIDATION
; LOCATION: (0)...(8)
; OTHER INFORMATION: J43
US-09-736-076-16

Query Match 70.7%; Score 41; DB 9; Length 8;
Best Local Similarity 87.5%; Pred. No. 1e+06;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPF 8
DB 1 MLLGXPPF 8

RESULT 33
US-10-425-114-63123
; Sequence 63123, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313) B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 63123
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3137-027-G12_FLI.pep
US-10-425-114-63123

Query Match 70.7%; Score 41; DB 12; Length 210;
Best Local Similarity 72.7%; Pred. No. 34;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MLLGRPPPTS 11
DB 134 MLLGYPPWTS 144

RESULT 34
US-10-403-571-98
; Sequence 98, Application US/10403571
```

```
; Publication No. US20040068763A1
; GENERAL INFORMATION:
; APPLICANT: Hopkins, Nancy
; APPLICANT: Golling, Gregory
; APPLICANT: Amsterdam, Adam
; APPLICANT: Sun, Zhaoxia
; TITLE OF INVENTION: Developmental Mutations in Zebrafish
; FILE REFERENCE: 01997/539002
; CURRENT APPLICATION NUMBER: US/10/403,571
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/368,760
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Danio rerio
US-10-403-571-98

Query Match 70.7%; Score 41; DB 12; Length 320;
Best Local Similarity 77.8%; Pred. No. 51;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LLGRPPFET 10
DB 243 LVGNPPFET 251

RESULT 35
US-10-026-021-4
; Sequence 4, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 373
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)...(373)
; OTHER INFORMATION: human FNK mitotic kinase domain
US-10-026-021-4

Query Match 70.7%; Score 41; DB 14; Length 373;
Best Local Similarity 63.6%; Pred. No. 59;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MLLGRPPPTS 11
DB 253 LLGSPFPETA 263

RESULT 36
US-09-769-970-15
; Sequence 15, Application US/09769970
; Publication No. US20030170219A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
```



Corley, Neil C.  
Guegler, Karl G.  
Lal, Preeti  
Goli, Surya K.  
Shah, Purvi  
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN  
KINASES  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/769,970  
FILING DATE: 24-Jan-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/272,796  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0321 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 607 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 1827450  
SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
US-09-769-970-15

Query Match 70.7%; Score 41; DB 10; Length 607;  
Best Local Similarity 63.6%; Pred. No. 96;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
:| | | | |  
Db 214 LLCSPPPFETA 224

RESULT 37  
US-10-108-580-2  
; Sequence 2, Application US/10108580  
; Publication No. US20030077681A1  
; GENERAL INFORMATION:  
; APPLICANT: Cogswell, John  
; TITLE OF INVENTION: PLK3 PROTEIN-PROTEIN INTERACTIONS  
; FILE REFERENCE: PU4458  
; CURRENT APPLICATION NUMBER: US/10/108,580  
; CURRENT FILING DATE: 2002-03-28  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 2  
; LENGTH: 607  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-108-580-2

Query Match 70.7%; Score 41; DB 14; Length 607;  
Best Local Similarity 63.6%; Pred. No. 96;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
:| | | | |  
Db 214 LLCSPPPFETA 224

RESULT 38  
US-10-204-041-16  
; Sequence 16, Application US/10204041  
; Publication No. US20030176443A1  
; GENERAL INFORMATION:  
; APPLICANT: STEIN-GERLACH, MATTHIAS  
; APPLICANT: SALASSIDIS, KONSTADINOS  
; APPLICANT: BACHER, GERALD  
; APPLICANT: MULLER, STEFAN  
; TITLE OF INVENTION: Pyridylpyrimidine Derivatives as Effective Compounds Against Prior  
; TITLE OF INVENTION: Infections and Prion Diseases  
; FILE REFERENCE: AXM-007.1P US  
; CURRENT APPLICATION NUMBER: US/10/204,041  
; CURRENT FILING DATE: 2002-08-16  
; PRIOR APPLICATION NUMBER: EP 01111858.5  
; PRIOR FILING DATE: 2001-05-16  
; PRIOR APPLICATION NUMBER: PCT/EP02/05420  
; PRIOR FILING DATE: 2002-05-16  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 16  
; LENGTH: 607  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-204-041-16

Query Match 70.7%; Score 41; DB 14; Length 607;  
Best Local Similarity 63.6%; Pred. No. 96;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
:| | | | |  
Db 214 LLCSPPPFETA 224

RESULT 39  
US-09-012-135A-3  
; Sequence 3, Application US/09012135A  
; Patent No. US20020081578A1  
; GENERAL INFORMATION:  
; APPLICANT: Plowman, Gregory  
; APPLICANT: Mossie, Kevin  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1  
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FastSeq for Windows 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/012,135A  
; FILING DATE: January 22, 1998  
; CLASSIFICATION: 435

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/005,268  
;; FILING DATE: January 9, 1998  
;; APPLICATION NUMBER: 08/755,728  
;; FILING DATE: No. US20020081578A1ember 25, 1996  
;; APPLICATION NUMBER: 60/023,943  
;; FILING DATE: August 14, 1996  
;; APPLICATION NUMBER: 60/008,809  
;; FILING DATE: December 18, 1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Warburg, Richard J.  
;; REGISTRATION NUMBER: 32,327  
;; REFERENCE/DOCKET NUMBER: 231/282  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (213) 489-1600  
;; TELEFAX: (213) 955-0440  
;; TELEX: 67-3510  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 344 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; HYPOTHEICAL: NO  
;; ANTI-SENSE: NO  
US-09-012-135A-3

Query Match 69.0%; Score 40; DB 9; Length 344;  
Best Local Similarity 54.5%; Pred. No. 81;  
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
Db 266 LLVGNPPFFESA 276

## RESULT 40

US-10-060-065-13  
; Sequence 13, Application US/10060065  
; Publication No. US20030017480A1  
; GENERAL INFORMATION:  
; APPLICANT: Toshio Ota  
; APPLICANT: Takao Isogai  
; APPLICANT: Tetsuo Nishikawa  
; APPLICANT: Koji Hayashi  
; APPLICANT: Kaoru Otsuka  
; APPLICANT: Jun-ichi Yamamoto  
; APPLICANT: Shizuko Ishii  
; APPLICANT: Tomoyasu Sugiyama  
; APPLICANT: Ai Wakamatsu  
; APPLICANT: Keiichi Nagai  
; APPLICANT: Tetsuji Otsuki  
; APPLICANT: Shin-ichi Funahashi  
; APPLICANT: Chiaki Senoo  
; APPLICANT: Jun-ichi Nezu  
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE  
; FILE REFERENCE: 06501-099002  
; CURRENT APPLICATION NUMBER: US/10/060,065  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP00/05061  
; PRIOR FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: US 60/159,590  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: US 60/183,322  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: JP 11-248036  
; PRIOR FILING DATE: 1999-07-29  
; PRIOR APPLICATION NUMBER: JP 2000-118776  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-183767  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: JP 2000-241899

;; PRIOR FILING DATE: 2000-06-09  
;; NUMBER OF SEQ ID NOS: 43  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 13  
;; LENGTH: 344  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-060-065-13

Query Match 69.0%; Score 40; DB 12; Length 344;  
Best Local Similarity 54.5%; Pred. No. 81;  
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFFETS 11  
Db 266 LLVGNPPFFESA 276

Search completed: June 9, 2004, 11:22:07  
Job time : 45.2391 secs